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GRAY-BONNEY

The Canadian Made Hand Tool Line

for...

AUTOMOTIVE

AVIATION

REFRIGERATION

INDUSTRIAL

AGRICULTURAL

MARINE



GRAY-BONNEY TOOL COMPANY, LIMITED

St. Clarens and Dupont
TORONTO - CANADA

Subsidiary of GRAY FORGINGS AND STAMPINGS LIMITED

Statements of Policy



WARRANTY REPLACEMENTS

All Gray-Bonney Tools are made from the finest obtainable steels to meet the normal conditions to which the tool will be subjected. Every Gray-Bonney Tool is individually inspected before leaving the factory, and is guaranteed against defects in workmanship and/or materials. All tools that do not live up to this Guarantee will be replaced or repaired free of charge.

Free replacement cannot be made if inspection shows that tools have been hammered or used with any device for adding any extra leverage — tools have been ground thinner or changed in design — have been used for any purpose other than that for which they have been designed.

Gray-Bonney Tools cannot be replaced free of charge that show normal wear and tear — damage from contact with hot wires — damage resulting from alterations or tampering — breakage from abuse or overload.

Gray-Bonney Pliers, Punches, Chisels or Screw Drivers cannot be replaced free of charge that show they have been used for other than their intended purpose, or show damage to the teeth or cutting edges resulting from use on hardened materials or tempered steel wire. Chrome plating on Plier cutting edges not guaranteed. Punches and Chisels which have been reground cannot be replaced.

The following Tools not subject to free replacement—Nos. 00A, 001, 308, 499, 517, 525, 654, 2586, E02, E03, FT57, M5, RF6, RF16, RF17, RF18, RF71, RF72, RF73, T34. Defective Ratchets will be serviced on basis of No Charge Repair. Flexible Handles, Punches, Chisels and Screw Drivers will be repaired or replaced at our discretion.



WHOLESALE RETURNS

Gray-Bonney Tools acceptable for return under conditions stated hereunder will be confined to those hand tools listed in this catalog or subsequent issues thereof. Such tools will be of current design, finishes and markings.

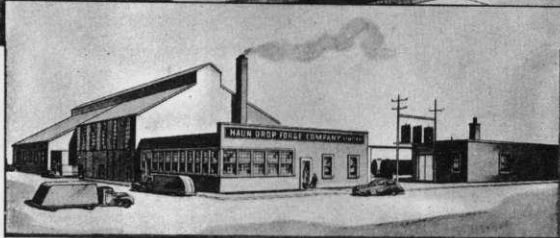
Gray-Bonney Tools ordered in error are acceptable for return without handling charge if returned to factory within 30 days of original shipping date by way of prepaid transportation.

During each October or November wholesalers may submit written information on tools eligible for return and considered surplus in inventory. Written return authorization will be forwarded to the wholesaler subject only to prepaid transportation and other conditions stated herein. Valuation of tools for return will not exceed at current factory cost any amount greater than ten per cent of purchases from us during the previous twelve month period. All returns are to be made during December only and a handling charge of ten per cent will apply. Factory allowance will be in form of book credit to apply against current or future purchases from us.

The Home of **GRAY-BONNEY** Tools



Gray-Bonney Manufacturing Plants
at Toronto and Welland



GRAY-BONNEY Tools have a wide acceptance among the mechanics in every branch of industry. Every Gray-Bonney Tool is specially designed for a particular application—combines light weight with strength and enables the user to do each job well—quickly—easily.

Made by Canadian Tool Craftsmen with pride in their ability to produce fine hand tools, backed by 39 years of manufacturing experience and proved on the testing ground of time—these tools have earned the reputation "the Finest that money can buy".

GRAY - BONNEY TOOL COMPANY, LIMITED

Subsidiary of GRAY FORGINGS and STAMPINGS LIMITED

TORONTO

CANADA



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GRAY-BONNEY EXTRA SMALL SERIES 1/4" DRIVE SOCKET SETS

These Gray-Bonney 1/4" drive midget sockets and attachments are the ultimate in precision design and manufacture. The new improved small head reversible ratchet, tiny handles and extra thin wall lock-on sockets are produced from the finest alloy steels and all are chrome plated. Created for motor tuneup specialists and those who service starting—lighting—ignition—instruments and radio. They will prove a welcome addition to any tool equipment. Each individual piece available separately from open stock.

No. VS14 Set

Contains 14 Pieces—3/16" to 3/8"
Approx. Weight 1-1/4 lbs.



A dandy pocket size kit of sockets and attachments with reversible ratchet for turning small nuts. All pieces are made of the finest alloy steel, fully chrome plated. Packed complete in strong attractively finished metal box measuring 6-3/16" x 2" x 1/2". Contents listed in the table below.

No.	Description	No.	Description
V6	3/16" S.H. Socket	V14	7/16" D.H. Socket
V7	7/32" " "	VS8	1/4" D. Sq. "
V8	1/4" " "	VS10	5/16" " "
V9	9/32" " "	VS12	3/8" " "
V10	5/16" D.H.	*V25	Rev. Ratchet 4-3/8"
V11	11/32" " "	V26	Flex. Handle 5-3/4"
V12	3/8" " "	V27	Cross Bar 3-1/2"

No. VS13 Set

Contains 13 Pieces—3/16" to 3/8"
Approx. Weight — 1 lb. 2 oz.

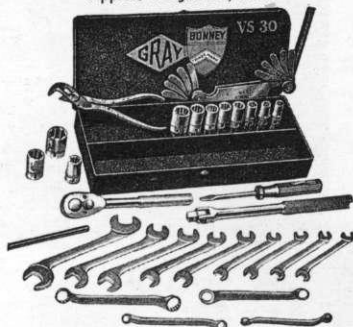
This pocket size set is for those that wish to start with the most essential units and build up to a larger kit. Packed in attractively finished metal box measuring 6-3/16" x 2" x 1/2". Other than being minus the ratchet, the contents of this set are identical to the VS14 listed above.

Other Attachments for Extra Small Series

V17—Slide T Handle
V18—6" Extension V22—6" Insulated Handle
V19—2" Extension *V25—Repair Kit for V25 Ratchet

No. VS30 Set

Contains 30 Pieces—3/16" to 1/2"
Approx. Weight 2-3/4 lbs.



An unusually complete set of extra small sockets and attachments, plus an assortment of miniature box and open end wrenches, feeler gauge, ignition plier and pocket size screw driver that any mechanic will find useful for electrical, radio and other small work. Packed in attractively finished metal box measuring 8-7/16" x 3-7/16" x 1". Included in this set are one each of the following:

No.	Description	No.	Description
V6	3/16" S.H. Socket	E16	Ignition Wrench
V7	7/32" " "	E18	" " "
V8	1/4" " "	E20	" " "
V9	9/32" " "	E22	" " "
V10	5/16" D.H.	E24	" " "
V11	11/32" " "	E26	" " "
V12	3/8" " "	E28	" " "
V14	7/16" " "	E30	" " "
VS8	1/4" D.Sq.	E40	Ex. Small Box Wrench
V12	5/16" " "	E42	" " "
VS10	3/8" " "	E44	" " "
*V25	Rev. Ratchet 4-3/8"	E46	" " "
V26	Flex Handle 5-3/4"	001	Ignition Screw Driver
V27	Cross Bar 3-1/2"	517	Ignition Plier
E14	Ignition Wrench	K52	Ignit. Feeler Gauge

Ignition Wrench Specifications on Page 21

No. VS24 Set

Contains 24 Pieces—3/16" to 1/2"
Approx. Weight 2-1/2 lbs.

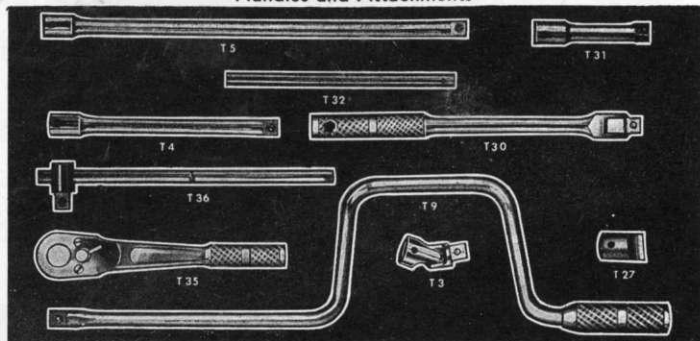
This is a modified version of the VS30 Set illustrated above. The only difference between them is the VS24 Set does not include a feeler gauge, screw driver or the Midget box wrenches.

The Finest That *Money Can Buy*

3/8" DRIVE SOCKETS AND ATTACHMENTS

The 3/8" drive sockets and attachments have become a must for all good mechanics' tool kits. The new chrome plated, thin wall alloy steel sockets, extra slim handles and attachments, plus lock-on feature, are designed to allow the modern mechanic to get at the tightest spots on modern motors, aircraft and refrigeration units with ease.

Handles and Attachments



No.	Description	No.	Description	No.	Description
T30	9-3/4" Flexible Handle	T9	16-1/4" Speeder	T5	11" Extension
T32	Cross Bar	T27	Drag Link Socket	AT4	6" Wobble Dr. Extension
*T35	6-1/2" Reversible Ratchet	T1	1-1/2" Extension	AT5	12" " " "
T36	7-3/4" Slide T Handle	T31	3" " "	T42	5-1/8" Insulation Handle
T3	Universal Joint	T4	6" " "		

* No. T35 Repair Kit for Ratchet No. T35.

3/8" Square Drive Sockets

Open.	Single Hexagon	Open.	Double Hexagon	Open.	Double Square	Open.	Deep Single Hexagon	Open.	Deep Double Hexagon	Open.	Deep Double Square
5/16"	TH10	5/16"	T10	1/4"	TS8	7/16"	T140	3/8"	LT12	3/8"	LTS12
3/8"	TH12	3/8"	T12	5/16"	TS10	1/2"	T160	7/16"	LT14	7/16"	LTS14
7/16"	TH14	7/16"	T14	3/8"	TS12	9/16"	T180	1/2"	LT16	1/2"	LTS16
1/2"	TH16	1/2"	T16	7/16"	*TS14	5/8"	T200	9/16"	LT18	9/16"	LTS18
9/16"	TH18	9/16"	T18	1/2"	*TS16	11/16"	T220	5/8"	LT20	5/8"	LTS20
5/8"	TH20	19/32"	T19	9/16"	*TS18	3/4"	T240	11/16"	LT22	Dble. Hex. U. J. Sock	
11/16"	TH22	5/8"	T20	5/8"	*TS20	13/16"	T260	3/4"	LT24		
3/4"	TH24	11/16"	T22			7/8"	T280	13/16"	LT26	7/16"	TU14
		3/4"	T24					7/8"	LT28	1/2"	TU16
		13/16"	T26							9/16"	TU18
		7/8"	T128							5/8"	TU20

* Semi-deep sockets

No. LT9 Extra Deep Socket Set



Packed in fibre box.

Contains 9 Sockets 3/8" to 7/8"

Weatherhead Sockets

Designed for removing and replacing Weatherhead Fittings without damaging these soft metal parts.

No.	Ftting. Size
HW6	3/16"
HW8	1/4"
HW10	5/16"

3/8" sq. dr. Head Screw Wrenches listed on page No. 25.



No. T34 Screw Driver Socket



This handy attachment permits the use of a speeder or ratchet as a screw driver. The tool is 3-1/2" long with a 3/8" wide blade and a 3/64" thick tip. Not guaranteed.

GRAY-BONNEY SMALL SERIES 3/8" DRIVE SOCKET SETS

TG21 Set

This set has the straight wall sockets with the popular double hexagon openings. It has been designed especially for those who want quality with a minimum investment. Contains 21 pieces each selected for the large number of uses to which it may be put. All pieces are made of high quality alloy steel, chrome plated. Packed complete in attractively finished metal container measuring 17-1/4" x 5" x 1".

The TG21 Set includes one each of the following

Size	No.	Description	Size	No.	Description
3/8"	T12	D.H. Socket	11/16"	T22	D.H. Socket
7/16"	T14	" "	3/4"	T24	" "
1/2"	T16	" "	1/4"	TS8	D.S. "
9/16"	T18	" "	5/16"	TS10	" "
9/32"	T19	" "	3/8"	TS12	" "
15/8"	T20	" "			

and the following attachments

No.	Description	No.	Description
T3	Universal Joint	T27	Drag Link Socket
T31	3" Extension	T30	Flexible Handle
T4	6" "	T32	Cross Bar
T5	11" "	T35	Reversible Ratchet
T9	Speeder	T36	Sliding Tee Handle

TG15 Set

This TG15 Set includes the 8 most popular 3/8" drive Single Hexagon Sockets together with two extensions, Universal Joint, Reversible Ratchet, Sliding "T" Handle, Flexible Handle and Cross Bar. This selection is ideally suited to aviation and light automotive service work. Supplied in metal box.

Content includes one each of the following

Size	No.	Description	Size	No.	Description
5/16"	TH10	S.H. Socket	T31	3" Extension	
3/8"	TH12	" "	T4	6" "	
7/16"	TH14	" "	T30	Flex. Handle	
1/2"	TH16	" "	T32	Cross Bar	
9/16"	TH18	" "	T35	Rev. Ratchet	
5/8"	TH20	" "	T36	Sl. "T" Hdle	
11/16"	TH22	" "	T3	Univ. Joint	
3/4"	TH24	" "			

TG12 Set

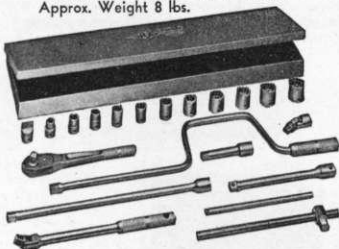
This inexpensive chrome plated set, packed in a neat metal box, is an ideal beginning towards a complete 3/8" drive socket set. True quality with a minimum investment.

Contents of TG12

Size	No.	Description	Size	No.	Description
3/8"	T12	D.H. Socket	3/4"	T24	D.H. Socket
7/16"	T14	" "	1/4"	TS8	D.S.
1/2"	T16	" "	5/16"	TS10	" "
9/16"	T18	" "	3/8"	TS12	" "
5/8"	T20	" "		T32	Flex. Handle
11/16"	T22	" "		T30	Cross Bar

TG21 Set

Contains 21 Pieces — 1/4" to 3/4"
Approx. Weight 8 lbs.



TG15 Set

Contains 15 Pieces — 5/16" to 3/4"
Approximate Weight 3 3/4 lbs.



TG12 Set

Contains 12 Pieces — 1/4" to 3/4"
Approx. Weight 2 lbs.



GRAY-BONNEY EXTRA DEEP SOCKETS 1/2" SQUARE DRIVE SERIES

Gray-Bonney extra-deep sockets find many applications in automotive service work, but are especially suitable for removing and replacing spark plugs. Their overall length, 3-1/4 inches, and the exceptional depth of their openings, give them an advantage over ordinary sockets of similar type. They are made of selected alloy steel, are carefully heat-treated, heavily chrome plated and polished to a high and permanent lustre.

EXTRA - DEEP DOUBLE HEXAGON SOCKETS

Opening	Socket Number	Length	Opening	Socket Number	Length
1/2"	LD16	3-1/4"	13/16"	LD26	3-1/4"
9/16"	LD18	3-1/4"	7/8"	LD28	3-1/4"
5/8"	LD20	3-1/4"	15/16"	LD30	3-1/4"
11/16"	LD22	3-1/4"	1"	LD32	3-1/4"
3/4"	LD24	3-1/4"	1-1/16"	LD34	3-1/4"
			1-1/8"	LD36	3-1/4"

LD5 Spark Plug Set

This five piece extra-deep Socket Set provides for removal and installation of spark plugs in most car, truck and other engines.

One each of the following sockets included:

LD22 (11/16") LD28 (7/8") LD32 (1")

LD26 (13/16") LD30 (15/16")

Supplied in metal box as illustrated.

LD10 Extra - Deep Socket Set

This deluxe set of ten extra-deep double hexagon sockets is ideal equipment for all good mechanics. It provides the full size range needed to service all spark plugs and the deep set nuts used on shackle and most other spring bolts. Supplied in a special steel tray as illustrated.

Sockets for 10MM Plugs

Make of Plug	Socket	Make of Plug	Socket
AC 108, 106, 104-, 104	LD20	Champion Y8, Y6, Y4A	LD20
AC 103	LD18	Champion Y4, Y5	LD20
AC M8, 103-S	LD22	Auto-Lite P6, P4	LD20

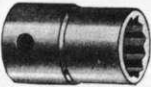


Chart of Spark Plug Sockets for Popular Passenger Cars

Make	1946	1947	1948	1949	1950	1951	Make	1946	1947	1948	1949	1950	1951
Buick	LD26	LD26	LD26	LD26	LD26	LD26	Meteor				LD26	LD26	LD26
Cadillac	see 10mm	see 10mm	see 10mm	LD26	LD26	LD26	Monarch	LD26	LD26	LD26	LD26	LD26	LD26
Chevrolet	see 10mm	see 10mm	see 10mm	LD26	LD26	LD26	Nash	LD26	LD26	LD26	LD26	LD26	LD26
Chrysler	LD26	LD26	LD26	LD26	LD26	LD26	Olds.	LD26	LD26	LD26	LD26	LD26	LD26
DeSoto	LD26	LD26	LD26	LD26	LD26	LD26	Packard	see 10mm	see 10mm	see 10mm	see 10mm	LD26	LD26
Dodge	LD26	LD26	LD26	LD26	LD26	LD26	Plymouth	LD26	LD26	LD26	LD26	LD26	LD26
Ford	LD26	LD26	LD26	LD26	LD26	LD26	Pontiac	LD26	LD26	LD26	LD26	LD26	LD26
Hudson	LD26	LD26	LD26	LD26	LD26	LD26	Stu.Cham.	LD26	LD26	LD26	LD26	LD26	LD26
Lincoln	LD26	LD26	LD26	LD26	LD26	LD26	Stud.Com.	LD26	LD26	LD26	LD26	LD26	LD26
Mercury	LD26	LD26	LD26	LD26	LD26	LD26	Willys	LD26	LD26	LD26	LD26	LD26	LD26

GRAY-BONNEY 1/2" SQUARE DRIVE SERIES STANDARD AND IMPACT TYPE SOCKETS

Gray-Bonney Standard Series 1/2" Square Drive Sockets are thinner and tougher than ordinary sockets of the same design because each is individually hot forged from the finest electric furnace alloy steel. This ensures accuracy and greater strength. Gray-Bonney sockets are correct in design and size, carefully heat treated for longer wear. They are equipped with the lock-on feature and each is highly polished and heavily chrome plated.

STANDARD TYPE SOCKETS

Double Hexagon		Double Square		Single Hexagon	
					
Opening	Number	Opening	Number	Opening	Number
3/8"	1406				
7/16"	1407	3/8"	D406S	7/16"	407
1/2"	1408				
9/16"	1409	7/16"	D407S	1/2"	408
19/32"	1419				
5/8"	1410	1/2"	D408S	9/16"	409
21/32"	1421				
11/16"	1411	9/16"	D409S	5/8"	410
3/4"	1412				
25/32"	1425	5/8"	D410S	11/16"	411
13/16"	1413				
7/8"	1414	11/16"	D411S	3/4"	412
15/16"	1415				
31/32"	1431	3/4"	D412S	13/16"	413
1"	1432				
1-1/16"	1433	7/8"	D414S	7/8"	414
1-1/8"	1434				
1-3/16"	1435	1"	D432S	15/16"	415
1-1/4"	1436				

FORD CONNECTING ROD SOCKETS



No. 499—A 1/2" Square Drive 9/16" Single Hexagon Socket for use when adjusting Ford V-8 motor connecting rod bearing cap nuts. The nose of this socket is thin to make this adjustment easy. Not guaranteed.

No. 1421—A 1/2" Square Drive Socket with 21/32" double hexagon opening, used when adjusting Ford Model A motor connecting rod bearing cap nuts.

SINGLE HEXAGON UNIVERSAL JOINT SOCKET

Opening	Number
7/16"	29UJ
1/2"	33UJ
9/16"	37UJ
5/8"	41UJ
11/16"	45UJ
3/4"	49UJ

Drag Link Sockets



Width of Blade	Socket Number	Drive	Application
15/16"	405	1/2" Sq.	Pass. Cars
1-1/4"	4002	1/2" Sq.	Trucks

No. SW15T Set contains fifteen straight wall sockets: 7/16", 1/2", 9/16", 5/8", 21/32", 11/16", 3/4", 25/32", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8" and 1-1/4".



Industrial Sockets for use on Impact Wrenches and Power Runners

Single Hexagon Square Drive Series

These Industrial Square Drive Single Hexagon Sockets are for use with power driven impact wrenches and power nut runners. They are made of select Chrome-Vanadium alloy steel, are heat treated and nickel plated. These Industrial Sockets have additional wall strength needed for maximum life service under extreme operating conditions.

Single Hex Openings

1/2" Sq. Drive Nickel Plated		5/8" Sq. Drive Not Nickel Plated	
Opening	Number	Opening	Number
7/16"	2407		
1/2"	2408	13/16"	3413
9/16"	2409		
5/8"	2410	7/8"	3414
11/16"	2411		
3/4"	2412	1"	3432
13/16"	2413		
7/8"	2414	1-1/8"	3434

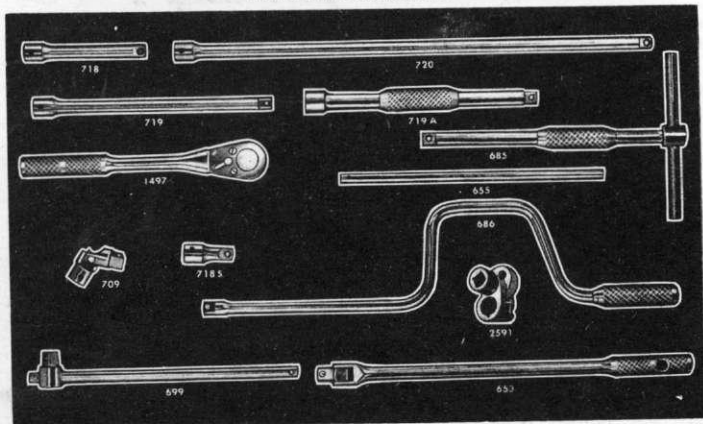


The Finest That  Money Can Buy

GRAY-BONNEY STANDARD SERIES 1/2" DRIVE ATTACHMENTS AND ADAPTORS

Gray-Bonney handles and attachments are forged slimmer and lighter for your convenience, due to the use of high carbon alloy steel, scientifically heat-treated to assure maximum strength. All Gray-Bonney attachments are highly polished and heavily chrome plated.

Handles and Attachments



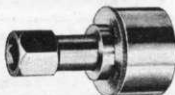
HANDLES AND ATTACHMENTS

ADAPTORS

No.	Description	No.	Description	Openings		
				Female	Male	
403	Connector for 603	709	Universal Joint	4206	1/4" Sq. & 3/8" Sq.	
603	Ratchet & Connector	718S	2" Forged Extension	4211	1/2" Sq. & 1" Sq.	
652	12" Flex. Handle	718	5" " "	4213	1" Sq. & 3/4" Sq.	
653	15" " "	719A	10" " " Rev. Grip	4215	3/4" Sq. & 1 1/4" Sq.	
653L	18" " "	719	10" " "	4298	1/2" Sq. & 3/4" Sq.	
655	Cross Bar	720	20" " "	4299	3/4" Sq. & 1 1/4" Sq.	
685	12" T. Hd. Rv. Grp.	*1497	10" Reversible Ratchet	Openings		
686	10" Speeder Rv. Grip.	*4897	10" " "	No.	Male	
687	14 1/2" " "	2591	Stud Remvr. (3/8"-3/4")		Male	
699	11" Slide T. Handle			4202	1/2" Sq. & 3/4" Sq.	

* Order Ratchet Repair Kits under number applying to ratchet.

No. SWI Master Stud Remover



A super-powerful Stud Remover guaranteed to handle the toughest jobs. Fits studs 1/4" to 1/2" diameter. (Has 1/2" female square drive for use with socket attachments and 1" male hexagon for application of wrench if extra leverage required). Thoroughly dependable in every respect. No more fighting to get stud out of the wrench. Maximum dia. 2". Removes studs located 1" or more apart.

No. 4897 Ratchet



1/2" Square Drive
Length 10" Weight 1-1/4 lbs.

This deluxe free wheeling reversible Ratchet was developed for close quarter positive engagement with minimum drag. Its quiet operating mechanism ratchets on every 7 1/2 degrees of turning travel. Chrome plated and guaranteed.

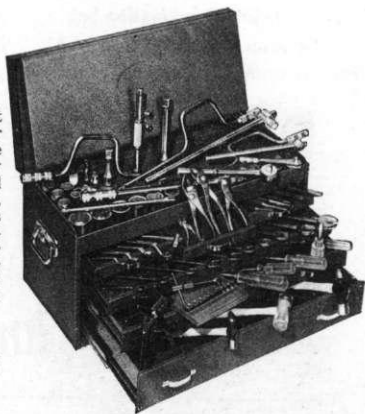
GRAY-BONNEY MASTER SETS

MSI02MB82 Set

Contains 102 Pieces

Approx. Weight 112 lbs.

This Master Set **MS102MB82** contains the finest and most complete set of Gray-Bonney Tools ever assembled in one kit. 102 pieces — including one of almost every description to do practically any job encountered. Complete sets of sockets and attachments, box wrenches, open end wrenches, lappet wrenches, pliers, hammers, punches, chisels and screw drivers — all are included. The complete assortment is packed in a massive six-drawer metal chest finished in dark blue. It has strong carrying handles and is equipped with a barrel type lock with key. Chest measures 26-7/8" x 13-1/4" x 14-1/4".



NOTE—Tools contained in this set also available in set **MS102SB**. The SB, MB82 and CC Cabinets illustrated on page 58.

COMPLETE LIST OF CONTENTS LISTED BELOW

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GRAY-BONNEY COMBINATION SETS

MS79 Combination Set

Contains 79 Pieces—3/16" to 1-5/8"

Approx. Weight 60 lbs.



Gray-Bonney MS79 Set is ideal for the millwright or plant engineer who requires a general purpose wrench set. Tools supplied are identical with sockets and attachments plus open and box end wrenches supplied in set No. MS102 illustrated on page 9. Content includes 3/8" square drive double hexagon sockets and attachments, 1/2" square drive double hexagon, extra deep double hexagon, and double square sockets and attachments, 3/4" square drive double hexagon sockets and attachments, miniature 1/4" square drive sockets and attachments, open end and double hexagon box wrenches. These Chrome-Vanadium alloy steel tools supplied in a strong metal box with removable tray as illustrated. Size of box 21" L x 7-1/2" H x 8-1/8" W.

CS48 Combination Set

Contains 48 Pieces—3/8" to 1-5/8"

Approx. Weight 50 lbs.



This CS48 Combination Set was created for the service man who does all types of general repairs on cars, trucks and tractors. It contains a good range of 3/4" square drive double hexagon sockets and attachments including a deluxe heavy duty reversible type ratchet in addition to entire content of SW35 1/2" square drive socket set listed on page 11. This set is recommended to millwrights, construction and plant engineers. Supplied in strong metal box as illustrated.

The CS48 Set includes the following

Open	No.	Description	Open	No.	Description
3/8"	1406	D.H. Socket	15/16"	1415	D.H. Socket
7/16"	1407	" "	31/32"	1431	" "
1/2"	1408	" "	1"	1432	" "
9/16"	1409	" "	1-1/16"	1433	" "
9/32"	1419	" "	1-1/8"	1434	" "
5/8"	1410	" "	1-3/16"	1435	" "
21/32"	1421	" "	1-1/4"	1436	" "
11/16"	1411	" "	3/8"	D406S	D.S. Socket
3/4"	1412	" "	7/16"	D407S	" "
25/32"	1425	" "	1/2"	D408S	" "
13/16"	1413	" "	9/16"	D409S	" "
7/8"	1414	" "	5/8"	D410S	" "

3/4" Square Drive Sockets and Attachments

Open.	No.	Description	Open.	No.	Description
1"	HD32	D.H. Socket	1-1/2"	HD48	D.H. Socket
1-1/16"	HD34	" "	1-5/8"	HD52	" "
1-1/8"	HD36	" "	86	17-1/2" S.T. Hdle.	
1-1/4"	HD40	" "	88	8" Extension	
1-3/8"	HD44	" "	87	15-1/2" "	
1-7/16"	HD46	" "	4285	Rev. Ratchet	

1/2" Square Drive Attachments

No.	Description	No.	Description
685	Tee Handle	718	5" Extension
687	14-1/2" Speeder	719	10" "
686	19" "	653	15" Flex. Handle
655	Cross Bar	699	11" Sl. "T" Handle
709	Universal Joint	4897	10" Rev. Ratchet
718S	2" Extension	2591	Stud Remover

GRAY-BONNEY COMBINATION AND STANDARD SERIES 1/2" SQUARE DRIVE STRAIGHT WALL SOCKET SETS

Here is a set for the mechanic starting out, containing an assortment of 44 pieces including 1/2" square drive sockets, handles and attachments, pliers, screwdrivers and other miscellaneous tools for which the greatest everyday need will be found. It is inexpensive, yet every piece is of the highest quality. The contents were carefully selected to enable the handling of the greatest variety of repair jobs with the minimum number of tools. The large roomy box measures 21" x 7" x 6" and has ample room for the addition of more tools from time to time. It is equipped with a carrying handle, and a padlock hasp.

The SW44 Set includes one each of the following

Size	No.	Description	Size	No.	Description
7/16"	1407	D.H. Sock.	7/8"	1414	D.H. Sock.
1/2"	1408	" "	15/16"	1415	" "
9/16"	1409	" "	1"	1432	" "
19/32"	1419	" "	1- 1/16"	1433	" "
5/8"	1410	" "	1- 1/8"	1434	" "
21/32"	1421	" "	1- 1/4"	1436	" "
11/16"	1411	" "	13/16"	LD26	Deep Sock.
3/4"	1412	" "	7/8"	LD28	" "
25/32"	1425	" "	15/16"	LD30	" "
13/16"	1413	" "	1"	LD32	" "

No.	Description	No.	Description
003	3" Screwdriver	686	19" Speeder
04	4" " "	709	Universal Joint
08	8" " "	718	5" Extension
C3	Chisel	719	10" " "
C5	Chisel	4897	10" Deluxe Rev. Ratchet
B17	Diagonal Plier	3114	7/16" Tu-Type Wrench
C23	Punch	3116	1/2" " "
212G	Ball Pein Hammer	3118	9/16" " "
513	Combination Plier	3120	5/8" " "
522	Battery Plier	3122	11/16" " "
653	15" Flexible Handle	3124	3/4" " "
655	Cross Bar	3128	7/8" " "

This 35 piece socket set is an ideal selection for the mechanic that does general repair work. It is a tool kit any man will be glad to own. It includes all the popular regular design double hexagon and double square straight wall sockets, with a worthwhile assortment of the popular attachments. All pieces are made of the finest alloy steel, heavily chrome plated and will retain their original finish indefinitely. The complete set, is packed in a sturdy metal case with carrying handle and padlock hasp. Case measures 21" x 7" x 6".

The SW35 Set includes one each of the following

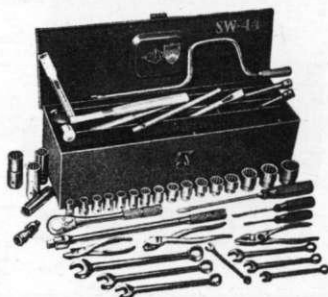
Size	No.	Description	Size	No.	Description
3/8"	1406	D.H. Sock.	15/16"	1415	D.H. Sock.
7/16"	1407	" "	31/32"	1431	" "
1/2"	1408	" "	1"	1432	" "
9/16"	1409	" "	1- 1/16"	1433	" "
19/32"	1419	" "	1- 1/8"	1434	" "
5/8"	1410	" "	1- 3/16"	1435	" "
21/32"	1421	" "	1- 1/4"	1436	" "
11/16"	1411	" "	3/8"	D406S	D.Sq. Sock.
3/4"	1412	" "	7/16"	D407S	" "
25/32"	1425	" "	1/2"	D408S	" "
13/16"	1413	" "	9/16"	D409S	" "
7/8"	1414	" "	5/8"	D410S	" "

No.	Description	No.	Description	No.	Description
685	Tee Handle	709	Univ. Joint	653	15" Flex. Handle
687	14-1/2" Spdr.	718S	2" Extension	699	11" S.T. Handle
686	19" " "	718	5" " "	4897	10" Deluxe Ratchet
655	Cross Bar	719	10" " "		

SW44 Apprentice Combination Set

Contains 44 Pieces—7/16" to 1-1/4"

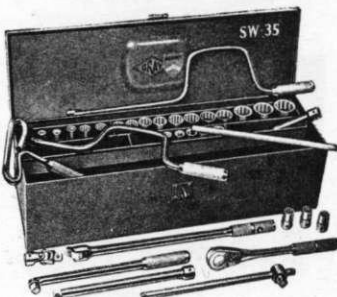
Approx. Weight 37-1/4 lbs.



SW 35 Set

Contains 35 Pieces—3/8" to 1-1/4"

Approx. Weight 31 lbs.



GRAY-BONNEY STANDARD SERIES 1/2" SQUARE DRIVE STRAIGHT WALL SOCKET SETS

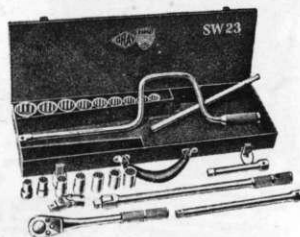
SW23 Set

Contains 23 Pieces—7/16" to 1-1/4". Approx. Weight 15-3/4 lbs.

This SW23 set has straight wall sockets with the popular double hexagon openings. It contains sockets with openings that find the most general use plus an excellent assortment of handles and attachments. Each piece is made from carefully selected alloy steel, scientifically heat treated and heavily chrome plated. The substantial metal box has a carrying handle and measures 20-1/4" x 6-1/2" x 1-11/16".

Contents of SW23

Size	No.	Sockets	Size	No.
7/16"	1407	one each	25/32"	1425
1/2"	1408	"	13/16"	1413
9/16"	1409	"	7/8"	1414
19/32"	1419	"	15/16"	1415
5/8"	1410	"	1"	1432
21/32"	1421	"	1- 1/16"	1433
11/16"	1411	"	1- 1/8"	1434
3/4"	1412	"	1- 1/4"	1436



No.	Description	No.	Description
653	15" Flexible Handle	718	5" Extension
655	Cross Bar	719	10" Extension
686	19" Speeder	4897	10" Deluxe Reversible Ratchet
709	Universal Joint		

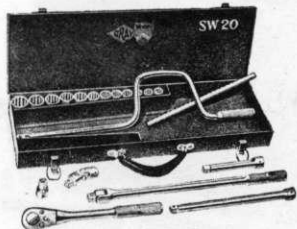
SW20 Set

Contains 20 Pieces—7/16" to 1". Approx. Weight 14 lbs.

This SW20 set has thirteen straight wall double hexagon sockets and an assortment of the most desirable attachments. Packed in attractive metal case measuring 20-1/4" x 6-1/2" x 1-11/16". All pieces are of high quality alloy steel heavily chrome plated. It makes an ideal set for use either in the shop or on the job.

Contents of SW20

Size	No.	Sockets	Size	No.
7/16"	1407	one each	3/4"	1412
1/2"	1408	"	13/16"	1413
9/16"	1409	"	25/32"	1425
19/32"	1419	"	7/8"	1414
5/8"	1410	"	15/16"	1415
21/32"	1421	"	1"	1432
11/16"	1411	"		



No.	Description
653	15" Flexible Handle
655	Cross Bar
686	19" Speeder
709	Universal Joint
718	5" Extension
719	10" Extension
4897	10" Deluxe Reversible Ratchet

GRAY-BONNEY STANDARD SERIES 1/2" SQUARE DRIVE STRAIGHT WALL SOCKET SETS

This SW18 set has ten popular size regular straight wall sockets and three of the extra deep sockets, all with double hexagon openings. It also includes a high quality deluxe reversible ratchet and other attachments as listed below. These tools are supplied in a sturdy metal case large enough to accommodate additional tools. The case complete with handle and lock hasp measures 21" x 7" x 6".

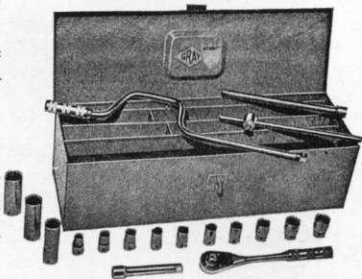
The SW18 Set includes one each of the following

Open	No.	Description	Open	No.	Description
7/16"	1407	D.H. Socket	3/4"	1412	D.H. Socket
1/2"	1408	" "	13/16"	1413	" "
9/16"	1409	" "	7/8"	1414	" "
19/32"	1419	" "	13/16"	LD26	Ex. Dp. Sock.
5/8"	1410	" "	7/8"	LD28	" "
21/32"	1421	" "	15/16"	LD30	" "
11/16"	1411	" "			

Plus one each of the following

No.	Description	No.	Description
686	19" Speeder	718	5" Extension
699	11" Slide T Handle	719	10" "
4897	Deluxe Reversible Ratchet		

SW18 Set
Contains 18 Pieces—7/16" to 7/8"
Approx. Weight 19-3/4 lbs.



This SW15 is an inexpensive set for the beginner or the man who wishes to do his own repairs. The set contains the same high quality straight wall sockets, handles and deluxe ratchet as the larger sets. It is packed in an attractive metal box which has ample room for additional tools.

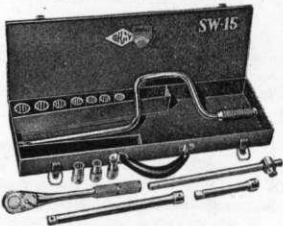
The SW15 Set includes one each of the following

Open.	No.	Description	Open.	No.	Description
7/16"	1407	D.H. Socket	21/32"	1421	D.H. Socket
1/2"	1408	" "	11/16"	1411	" "
9/16"	1409	" "	3/4"	1412	" "
19/32"	1419	" "	13/16"	1413	" "
5/8"	1410	" "	7/8"	1414	" "

Plus one each of the following Handles and attachments

No.	Description	No.	Description
686	19" Speeder	718	5" Extension
699	11" Slide T Handle	719	10" "
4897	Deluxe Reversible Ratchet		

SW15 Set
Contains 15 Pieces—7/16" to 7/8"
Approx. Weight 12-1/2 lbs.



This SW14 Nut Spinner Set contains twelve thin straight wall sockets, and a 15" flexible handle and cross bar. It is an ideal set for the service station or service man doing light repairs. All pieces are made of the finest quality alloy steel and are finished in chromium. This set comes in a metal box.

The following Sockets and Handles are included.

Open.	No.	Description	Open.	No.	Description
7/16"	1407	D.H. Socket	11/16"	1411	D.H. Socket
1/2"	1408	" "	3/4"	1412	" "
9/16"	1409	" "	13/16"	1413	" "
19/32"	1419	" "	7/8"	1414	" "
5/8"	1410	" "	15/16"	1415	" "
21/32"	1421	" "	1"	1432	" "

Plus No. 653 15" Flexible Handle and No. 655 Cross Bar.

SW14 Nut Spinner Set
Contains 14 Pieces—7/16" to 1"
Approx. Weight 5-3/4 lbs.

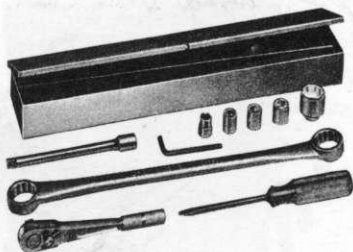


The Finest That  Money Can Buy

GRAY-BONNEY SPECIAL SOCKET SET AND TORQUE WRENCHES

HY10 Set

Contains 10 Pieces
Hydraulic Transmission Set
Approx. Weight 4¾ lbs.



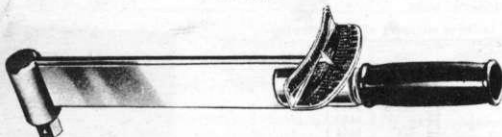
The HY10 Set is for servicing oil change work on Hydra-matic and Dynaflo transmissions. Supplied in metal box as illustrated.

CONTENT OF HY10 SET

No.	Description	Use
T128	7/8" D.H. Socket	Hydramatic Oil Pan Plug
TH18	9/16" S.H. Socket	Flywheel Cover Bolts
TH16	1/2" S.H. Socket	Flywheel Cover Bolts
TH14	7/16" S.H. Socket	Hydramatic fluid plug
TS9	9/32" S.S. Socket	Dynaflo Torque Converter drain plugs
T4	6" Extension	Wrench extension
T35	3/8" DR. Ratchet	For above wrenches
W6	3/16" H.S. wrench	Hydramatic old type fluid cplg drain plugs
04	4" Screw Driver	To rotate flywheels
2895A	15/16" x 1" Box	Wrench for dynaflo trans. oil pan plug

Torque Wrenches

NF Series



These permanently accurate Torque Wrenches are available in six different sizes, each of a different torque capacity. This enlarged size range will serve the majority of gasoline and diesel type engines. The double scale is easily read from almost any position.

No.	Sq. Drive	Scale Range (Ft. Lbs.)
NF25	3/8"	25 Ft. Lbs.
NF50	1/2"	50 Ft. Lbs.
*NF100	1/2"	100 Ft. Lbs.
NF150	1/2"	150 Ft. Lbs.
NF200	1/2"	200 Ft. Lbs.
†NF300	3/4"	300 Ft. Lbs.

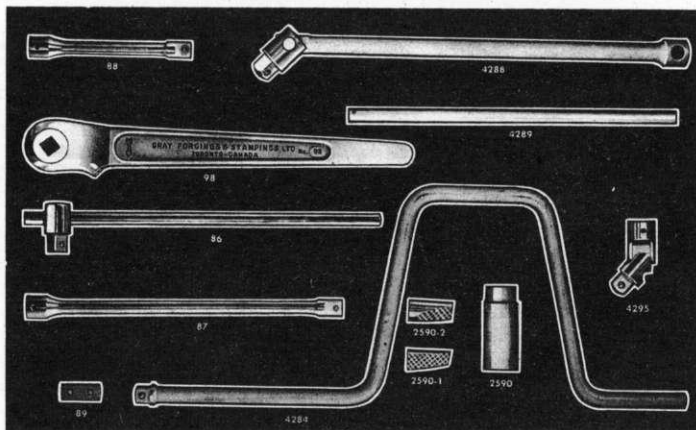
*The range of Model NF100 is ideal for most automotive applications.

†NF300 is recommended for diesel engine service.

NOTE—Other capacities available, information on request.

See inside back cover for torque application information.

GRAY-BONNEY HEAVY DUTY SERIES 3/4" SQUARE DRIVE SOCKET ATTACHMENTS



No.	Description	No.	Description
86	17-1/2" Slide T. Hdle.	2590-1	Lt. Wedge for 2590
88S	4" Forged Extension	2590-2	Heavy Wedge for 2590
88	8" Forged Extension	4284	Speeder
87	15-1/2" Forged Extension	*4285	20" Reversible Ratchet
89	Ratchet Plug Connector	4288	22" Flex. Handle
*98	19" Ratchet Bar Type	4289	Cross Bar
2590	Stud Remover with Wedges (9/16" to 1")	4295	Univ. Joint

*Order Ratchet Repair Kits under Number Applying to Ratchets

3/4" HEAVY DUTY SOCKETS

"Double Hexagon"			"Double Square"		
Opening	Number	Description	Opening	Number	Description
7/8"	HD28	D. H. Socket	7/8"	S4228	D. Sq. Socket
15/16"	HD30	" "	"	S4232	" "
31/32"	HD31	" "	1-1/16"	S4234	" "
1"	HD32	" "	1-1/4"	S4240	" "
1-1/16"	HD34	" "	1-7/16"	S4246	" "
1-1/8"	HD36	" "	"Single Hexagon"		
1-3/16"	HD38	" "	2-1/16"	4266	S. Hex. Socket
1-1/4"	HD40	" "	2-1/8"	4268	" "
1-5/16"	HD42	" "	2-1/4"	4272	" "
1-3/8"	HD44	" "	"Extra Deep Single Hexagon"		
1-7/16"	HD46	" "	1"	LH32	S.H. Deep Socket
1-1/2"	HD48	" "	1-1/16"	LH34	" "
1-9/16"	HD50	" "	1-1/8"	LH36	" "
1-5/8"	HD52	" "	1-1/4"	LH40	" "
1-11/16"	HD54	" "			
1-3/4"	HD56	" "			
1-13/16"	HD58	" "			
1-7/8"	HD60	" "			
2"	HD64	" "			
2-3/16"	HD70	" "			



Heavy Duty Socket
Double Hex.

The Finest That  Money Can Buy

GRAY-BONNEY HEAVY DUTY SERIES 3/4" SQUARE DRIVE SOCKET SETS

HD25 Set

Contains 25 Pieces 7/8" to 2-3/16"

Approximate Weight 41-1/2 lbs.



This is an extremely fine heavy duty socket wrench set. It contains a complete range of the heavy duty alloy steel forged sockets with double hexagon openings in sizes from 7/8" to 2-3/16", a super heavy reversible ratchet and the other heavy duty attachments as listed below. This is a deluxe set built for hard usage. All pieces are chrome plated and contained in a strong metal box. Set includes one each of:

Open.	No.	Description	Open.	No.	Description
7/8"	HD28	H.D. Sock.	1- 1/2"	HD48	H.D. Sock.
15/16"	HD30	" "	1- 9/16"	HD50	" "
1"	HD32	" "	1- 5/8"	HD52	" "
1- 1/16"	HD34	" "	1-11/16"	HD54	" "
1- 1/8"	HD36	" "	1- 3/4"	HD56	" "
1- 3/16"	HD38	" "	1-13/16"	HD58	" "
1- 1/4"	HD40	" "	1- 7/8"	HD60	" "
1- 5/16"	HD42	" "	2"	HD64	" "
1- 3/8"	HD44	" "	2- 3/16"	HD70	" "
1- 7/16"	HD46	" "			

plus the following attachments:

No.	Description	No.	Description
86	17-1/2" Slide T Handle	88S	4" Extension
87	15-1/2" Extension	4285	Reversible Ratchet
88	8"	4288	22" Flex. Handle

HD21 Set

Contains 21 Pieces—7/8" to 2"

Approx. Weight 33-1/2 lbs.



This heavy duty set contains a broad range of the heavy duty alloy steel sockets, including sizes from 7/8" to 2". It was designed to handle the heavy work on busses, trucks, tractors and all types of heavy industrial machinery. It is packed in a strong metal box and contains one each of the following:

Open.	No.	Description	Open.	No.	Description
7/8"	HD28	H.D. Sock.	1- 3/8"	HD44	H.D. Sock.
15/16"	HD30	" "	1- 7/16"	HD46	" "
1"	HD32	" "	1- 1/2"	HD48	" "
1- 1/16"	HD34	" "	1- 5/8"	HD52	" "
1- 1/8"	HD36	" "	1- 3/4"	HD56	" "
1- 3/16"	HD38	" "	1-13/16"	HD58	" "
1- 1/4"	HD40	" "	1- 7/8"	HD60	" "
1- 5/16"	HD42	" "	2"	HD64	" "

and following attachments:

No.	Description	No.	Description
86	17-1/2" Slide T Handle	87	15-1/2" Extension
88	8" Extension	4285	Reversible Ratchet
88S	4"		

GRAY-BONNEY HEAVY DUTY SERIES 3/4" SQUARE DRIVE SOCKET SETS

The HD15 Set consists of fifteen well selected pieces chosen to provide a wide range in heavy duty types and sizes with a minimum investment. Supplied in strong metal box.

Content includes

Open	No.	Description	Open	No.	Description
7/8"	HD28	H.D. Socket	1-3/8"	HD44	H.D. Socket
1"	HD32	"	1-7/16"	HD46	"
1-1/16"	HD34	"	1-1/2"	HD48	"
1-1/8"	HD36	"	1-5/8"	HD52	"
1-1/4"	HD38	"	1-3/4"	HD56	"

and following attachments

No.	Description	No.	Description
86	17-1/2" Slide T handle	98	19" Ratchet
87	15-1/2" Extension	89	Ratchet Connector
88	8" Extension		

The HD13 Set is the same as No. HD11 with the addition of a No. 98 Ratchet and the No. 89 Connector. Supplied in metal box shown with HD11 below.

HD13 Set

Contains 13 Pieces—1" to 1-5/8"
Approx. Weight 23 3/4 lbs.



This set is especially valuable for the user who requires heavy duty tools at a minimum investment. It can be built up into the big HD21 set as the same box is used for both sets. It contains one each of the following:

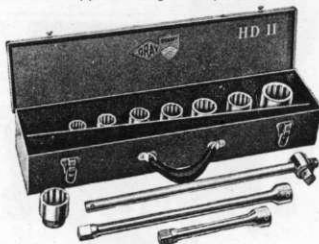
Open.	No.	Description	Open.	No.	Description
1"	HD32	D.H. Socket	1 3/8"	HD44	D.H. Socket
1 1/8"	HD34	"	1 7/16"	HD46	"
1 1/4"	HD36	"	1 1/2"	HD48	"
1 1/2"	HD40	"	1 5/8"	HD52	"

and following attachments

No.	Description	No.	Description
86	17 1/2" Slide T Handle	87	15 1/2" Extension
88	8" Extension		

HD11 Set

Contains 11 Pieces—1" to 1-5/8"
Approx. Weight 18-3/4 lbs.



The Finest That  Money Can Buy

GRAY-BONNEY EXTRA HEAVY DUTY SERIES 1" SQUARE DRIVE SET AND SOCKETS

Extra Heavy-Duty Hexagon Sockets Chromium Plated

No.	Opening	Regular Series		Heavy Series	Light Series	Cap Screw
		Bolt Size	Nut Size	Bolt & Nut Size	Nut Size	
X46	1-7/16"	1"	1"	7/8"	1"	1-1/8"
X48	1-1/2"					
X52	1-5/8"			1"	1-1/8"	
X58	1-13/16"			1-1/8"	1-1/4"	
X60	1-7/8"	1-1/4"	1-1/4"			
X64	2"			1-1/4"	1-3/8"	
X70	2-3/16"			1-3/8"	1-1/2"	
X72	2-1/4"	1-1/2"	1-1/2"			
X74	2-5/16"					
X76	2-3/8"			1-1/2"		
X78	2-7/16"	1-5/8"	1-5/8"			
X80	2-1/2"					
X82	2-9/16"			1-5/8"		
X84	2-5/8"	1-3/4"	1-3/4"			
X88	2-3/4"			1-3/4"		
X94	2-15/16"			1-7/8"		
X96	3"	2"	2"			
X100	3-1/8"			2"		

Extra Heavy-Duty Handles and Attachments

No.	Description	No.	Description
X29	Extension, 8-1/2" long	X32	Drive Head, Male
X30	Extension, 17-1/2" long	X33	Drive Head, Female
X31	Sliding Bar, 22" long		

No. XH Extra Heavy-Duty Socket Set

12 Pieces

The Bonney XH Set contains all the most useful 1" square drive hexagon sockets and attachments.

Designed for extra heavy-duty work on buses, trucks, tractors, marine engines and equipment, and industrial machinery.

Packed in a metal box 23" x 6" x 5", with carrying handle, padlock hasp, and end catches, the set includes one each of the following:



No.	Description
X46	1-7/16" Hexagon Socket
X48	1-1/2" Hexagon Socket
X52	1-5/8" Hexagon Socket
X58	1-13/16" Hexagon Socket
X64	2" Hexagon Socket
X70	2-3/16" Hexagon Socket
X76	2-3/8" Hexagon Socket
X29	Extension, 8-1/2" long
X30	Extension, 17-1/2" long
X31	Sliding Bar, 22" long
X32	Drive Head, Male
X33	Drive Head, Female

Net Weight 42 lbs.

GRAY-BONNEY

CHROME VANADIUM ENGINEER'S WRENCHES

Drop Forged 15° Angle Opening — Chrome Plated With Polished Heads

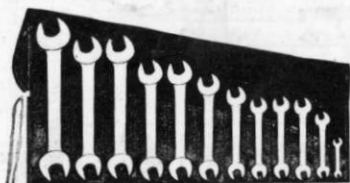
Wrench No.	Openings Milled	U.S.S. Bolt Size	Hex. Head Cap Screw	S.A.E. Standard Screws and Nuts	Extreme Length	Thickness of Head
1019	3/16 & 1/4	.....	.....	.....	2-3/4	7/64
1020	1/4 & 5/16	.....	.....	.....	3	9/64
1721	5/16 & 3/8	1/8 & 3/16	1/8 & 3/16	.....	5	3/16
1721	5/16 & 13/32	1/8 & 3/16	1/8 & 3/16	.....	5	3/16
1722	5/16 & 7/16	1/8 & 3/16	1/8 & 1/4	.....	5	3/16
1723	3/8 & 7/16	.....	3/16 & 1/4	.....	5	3/16
1022	5/16 & 1/2	1/8 & 1/4	1/8 & 5/16	.....	5	3/16
1023	13/32 & 1/2	3/16 & 1/4	.....	.....	5	3/16
1723A	3/8 & 1/2	.....	3/16 & 5/16	.....	5	3/16
1024	13/32 & 19/32	3/16 & 5/16	.....	.....	6-1/4	7/32
1725	7/16 & 1/2	.....	1/4 & 5/16	.....	6-1/4	7/32
1725B	1/2 & 9/16	1/4 & 5/16	5/16 & 3/8	.....	6-1/4	7/32
1025	1/2 & 19/32	1/4 & 5/16	5/16 & 3/8	.....	6-1/4	7/32
1725A	7/16 & 9/16	.....	1/4 & 3/8	.....	6-1/4	7/32
1726	1/2 & 5/8	1/4 & 3/8	5/16 & 7/16	.....	7	1/4
1026	1/2 & 11/16	1/4 & 3/8	5/16 & 7/16	.....	7	1/4
1727	9/16 & 5/8	5/16 & 3/8	3/8 & 7/16	.....	7	1/4
1027	19/32 & 11/16	5/16 & 3/8	.....	.....	7	1/4
1027C	9/16 & 11/16	.....	3/8 & 7/16	.....	7	1/4
1027S	5/8 & 11/16	.....	3/8 & 7/16	.....	7	1/4
1028S	5/8 & 25/32	.....	7/16 & 1/2	.....	8	9/32
1729	5/8 & 3/4	.....	7/16 & 1/2	.....	8	9/32
1029	11/16 & 25/32	.....	3/8 & 7/16	.....	8	9/32
1028	10/32 & 25/32	5/16 & 7/16	.....	.....	8	9/32
1728	9/16 & 3/4	.....	3/8 & 1/2	.....	8	9/32
1730	5/8 & 13/16	.....	7/16 & 9/16	.....	8	9/32
1030	11/16 & 7/8	3/8 & 1/2	.....	.....	8	9/32
1731	3/4 & 13/16	.....	1/2 & 9/16	.....	9	11/32
1731A	3/4 & 7/8	.....	1/2 & 5/8	.....	9	11/32
1033	7/8 & 31/32	1/2 & 9/16	5/8 & 9/16	.....	9	11/32
1031	25/32 & 7/8	7/16 & 1/2	.....	.....	9	11/32
1731B	13/16 & 7/8	.....	9/16 & 5/8	.....	9	11/32
1732A	3/4 & 1	.....	1/2 & 3/4	.....	9	11/32
1032	25/32 & 31/32	7/16 & 9/16	.....	.....	9	11/32
1732	13/16 & 1	.....	9/16 & 3/4	.....	9	11/32
1033A	7/8 & 15/16	1/2 & 5/8	5/8 & 9/16	.....	9	11/32
1033C	15/16 & 1	.....	.....	.....	10-3/4	3/8
1034A	15/16 & 1-1/16	.....	.....	.....	10-3/4	3/8
1035	31/32 & 1-1/16	.....	.....	.....	10-3/4	3/8
1735	1 & 1-1/8	.....	3/4 & 7/8	.....	10-3/4	3/8
1733	7/8 & 1	1/2 & 5/8	5/8 & 3/4	.....	10-3/4	3/8
1034	7/8 & 1-1/16	1/2 & 5/8	5/8 & 3/4	.....	10-3/4	3/8
1734	7/8 & 1-1/8	1/2 & 5/8	5/8 & 7/8	.....	10-3/4	3/8
1736	1 & 1-1/4	.....	3/4 & 1	.....	12	7/16
1037	1-1/16 & 1-1/4	5/8 & 3/4	.....	.....	12	7/16
1737	1-1/8 & 1-1/4	.....	7/8 & 1	.....	12	7/16
1037A	1-1/8 & 1-5/16	.....	3/4 & 7/8	.....	12	7/16
1038A	1-5/16 & 1-7/16	.....	.....	.....	14	1/2
1738	1-1/8 & 1-3/8	.....	7/8 & 1-1/8	.....	14	1/2
1739	1-1/4 & 1-3/8	3/4 & 7/8	1 & 1-1/8	.....	14	1/2
1039	1-1/4 & 1-7/16	3/4 & 7/8	1 & 7/8	.....	14	1/2
1739A	1-1/4 & 1-1/2	3/4 & 7/8	1 & 1-1/4	.....	14	1/2
1739B	1-3/8 & 1-1/2	.....	1-1/8 & 1-1/4	.....	14	1/2
1041	1-7/16 & 1-5/8	7/8 & 1	.....	.....	15-1/2	9/16



The Finest That  Money Can Buy

GRAY-BONNEY ENGINEERS' WRENCHES AND SETS

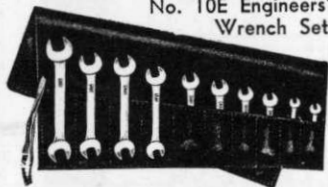
No. 12ALR Automotive Wrench Set



No. 12ALR set contains twenty different openings in sizes from 1/4" to 1-1/4". This is an ideal set for general repair service. The following twelve popular usage wrenches are included—1020, 1723, 1024, 1725B, 1725A, 1027S, 1730, 1731, 1031, 1033C, 1035, 1737.

Set 12 ALR in leatherette roll as illustrated.

No. 10E Engineers' Wrench Set



No. 10E set contains fifteen different openings in sizes from 5/16" to 1-1/16". The following ten wrenches are supplied—1721, 1723, 1725, 1725B, 1727, 1027, 1729, 1031, 1732, 1034A.

Set 10 ELR in leatherette roll as illustrated.

Set 10 ECB supplied in fibre box.

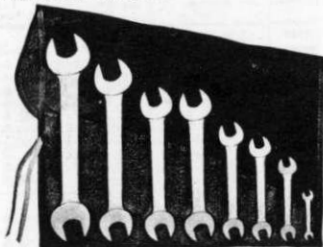
Right Angle Wrenches



Openings in the most necessary sizes for wrenches of this type. Drop forged of alloy steel and chrome plated with polished heads. These right angle open end wrenches are ideal for working in close quarters.

No.	Openings	Length	Head Thickness
2723	3/8" & 7/16"	4-1/4"	7/32"
2725B	1/2" & 9/16"	5-1/2"	15/64"
2729RA	5/8" & 3/4"	7-1/2"	5/16"

No. 8ALR Automotive Wrench Set



No. 8ALR set contains sixteen different openings in sizes from 1/4" to 1-1/4". This is a good set for the man who desires a wide range with minimum investment. The following 8 wrenches supplied—1020, 1723, 1725B, 1027S, 1731, 1033A, 1735, 1037.

Set 8 ALR in leatherette roll as illustrated.

No. 6E Engineers' Wrench Set



No. 6E contains twelve different openings in sizes from 3/8" to 1". The following six wrenches are supplied—1723, 1025, 1027C, 1028S, 1731A, 1033C.

Set 6ELR in leatherette roll as illustrated.

Set 6ECB supplied in fibre box.

No. 2509 Wrench

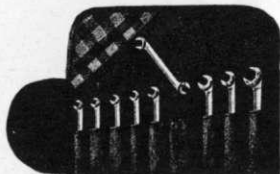


No.	Openings	Length
2509	9/16" 45° & 90°	6-3/8"

ELECTRICAL AND IGNITION WRENCHES AND SETS

Gray-Bonney Ignition Wrenches are correctly designed, and have the heads offset at angles of 15 and 60 degrees. Each size is available in either angle head. They are forged from alloy steel, giving extreme lightness with the necessary strength.

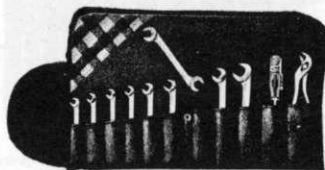
No. 16 Ignition Wrench Set



Gray-Bonney Ignition Wrenches are available in handy leatherette rolls. The No. 16 Set, shown above, contains nine wrenches ranging from 13/64" to 1/2". The set is designed so that each opening is duplicated, one having 15° angle and the other a 60° angle. In leatherette case.

No.	Openings		Length	Thickness
	15° End	60° End		
E14	13/64"	15/64"	3"	7/64"
E16	15/64"	13/64"	3"	7/64"
E18	7/32"	1/4"	3"	7/64"
E20	1/4"	7/32"	3"	7/64"
E22	9/32"	5/16"	3-1/2"	1/8"
E24	5/16"	9/32"	3-1/2"	1/8"
E26	11/32"	3/8"	4"	9/64"
E28	3/8"	11/32"	4"	9/64"
E30	7/16"	1/2"	4-1/2"	5/32"

No. 17 Ignition Wrench Set



No. 17 Set contains the same wrenches as No. 16, with the addition of No. 517 pliers and No. 001 screwdriver. In leatherette roll.

No. 20LR Zenel Miniature Wrench Set



Delicate jobs on magnetos, generators, radios, timers, oil cleaners, carburetors, electrical parts and similar jobs are quickly done with Gray-Bonney Miniature Wrenches. The No. 20 Set contains one each of Nos. H10, H12, H14, H16 and H18 listed below. They are made of ZENEL, have panelled handles and are chrome plated. In leatherette roll.

No. 21LR Extra Small Box Wrench Set



Ideal for work on radios, ignition systems, generators, starters, heaters, etc. E40 and E42 have single hexagon openings; E44 and E46 have double hexagon openings.

No. 21LR Set, 1 each of above 4 Wrenches in a leatherette roll.

Extra Small Box Wrenches

No.	Openings	Length
E40	3/16" & 13/64"	2-7/8"
E42	7/32" & 15/64"	3-1/8"
E44	1/4" & 9/32"	3-3/8"
E46	5/16" & 11/32"	3-3/4"

Zenel Miniature Wrenches

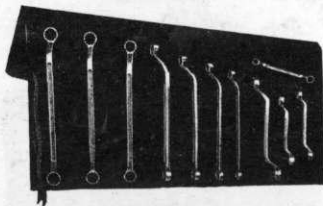
No.	Openings Milled	Length	Thick. Heads
H10	3/16" & 7/32"	2-1/2"	3/32"
H12	1/4" & 9/32"	3"	5/32"
H14	5/16" & 11/32"	3-3/4"	3/16"
H16	3/8" & 7/16"	4-1/8"	7/32"
H18	13/32" & 15/32"	4-1/8"	7/32"

GRAY-BONNEY BOX WRENCHES AND SETS

CHROME VANADIUM STEEL

No. 2311 Box Wrench Set

3/8" to 7/8"



The 2300 (Long) Series Box Wrenches, having one end straight and one offset, are used to good advantage when tightening the manifolds or servicing hard-to-get-at nuts. They are time savers for the motor mechanic.

No. 2311LR.—2300 Series Box Wrench Set contains one each of the 2300 Series Long and Short Wrenches listed below. Supplied in leatherette roll as illustrated.

No. 2307LR.—This set includes one each of the seven Long Type 2300 Series Box Wrenches listed below. Supplied in leatherette roll as illustrated.

Long Type Box Wrenches

2300 Series

No.	Double Hexagon Openings	Length
2316	1/2"	9"
2318	9/16"	9-1/2"
2320	5/8"	10"
2322	11/16"	11"
2324	3/4"	11-1/2"
2326	13/16"	12"
2328	7/8"	12-3/4"

Short Type Box Wrenches



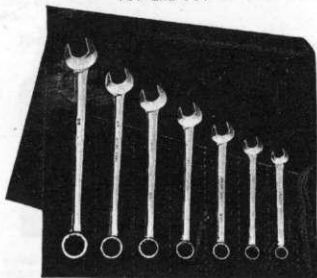
This series of Short Box Wrenches will appeal very strongly to the mechanic who enjoys using fine tools. They are drop forged from high grade alloy, and are brightly polished all over. The heads are thin and cleanly broached and will give the utmost in service under all conditions.

No. 270LR.—Set of these four Short Box Wrenches in leatherette roll.

No.	Double Hexagon Openings	Length
276	3/8" x 7/16"	4-1/2"
277	1/2" x 9/16"	5-1/4"
278	5/8" x 11/16"	6"
279	3/4" x 13/16"	6-1/4"

Tu-Type Wrench Sets

TU7 and TU9



This type of wrench is very popular where speed is required. The box end is handy to loosen tight nuts and get in around manifolds and carburetors. The open end is used for faster turning. Forged from Chrome-Vanadium Steel. Sizes 3/8" to 1" polished and chrome plated; larger sizes satin plated.

No. TU7.—This set contains seven wrenches, Nos. 3114 to 3128 providing openings from 7/16" to 7/8", not including 13/16" size. Supplied in leatherette roll.

No. TU9.—Contains nine wrenches including the seven supplied in the TU7 set plus Nos. 3112 and 3132. Contained in leatherette roll.

No. TU11.—Contains eleven wrenches Nos. 3112 to 3132 (not 3129) providing openings from 3/8" to 1". Supplied in leatherette roll.

Tu-Type Wrenches

No.	Openings	Length	No.	Openings	Length
3112	3/8"	5"	3128	7/8"	10-1/2"
3114	7/16"	5-3/8"	3129	29/32"	13-1/2"
3116	1/2"	6"	3130	15/16"	13-1/2"
3118	9/16"	6-3/4"	3132	1"	13-1/2"
3120	5/8"	7-3/4"	3134	1-1/16"	14-3/4"
3122	11/16"	8-3/8"	3136	1-1/8"	14-3/4"
3124	3/4"	9-1/2"	3140	1-1/4"	16-1/4"
3126	13/16"	10-1/4"			

Short Type Box Wrenches



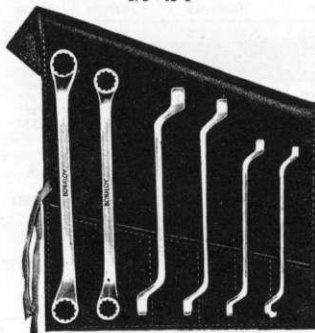
2300 Series

No.	Double Hexagon Openings	Length
2384	3/8" & 7/16"	5-1/8"
2386	1/2" & 9/16"	5-1/2"
2387	9/16" & 5/8"	5-3/4"
2388	5/8" & 3/4"	8-1/2"

GRAY-BONNEY BOX WRENCHES AND SETS

CHROME VANADIUM STEEL

No. DO 6 Double Offset Set
3/8" to 1"



The No. DO6 set contains one each of Nos. 2804L, 2805L, 2807A, 2808, 2809B and 2810 listed below.

Double Offset Box Wrenches

45° Angle

The long, smooth, round handles will give plenty of leverage to loosen the toughest nuts. These wrenches have a deep offset to clear obstructions and give plenty of finger room.

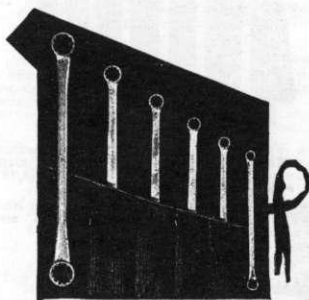
No.	Double Hexagon Openings	Length
2804L	3/8" & 7/16"	8-9/16"
2804C	7/16" & 1/2"	8-1/2"
2805L	1/2" & 9/16"	9"
2807A	5/8" & 11/16"	11"
2807	5/8" & 3/4"	11"
2808	3/4" & 7/8"	11-1/2"
2809B	25/32" & 13/16"	12"
2809	7/8" & 15/16"	12-1/2"
2810	15/16" & 1"	13-1/2"

INDUSTRIAL SIZES

2811B	15/16" & 1-1/16"	14-1/2"
2811	1" & 1-1/8"	14-1/2"
*2811E	7/8" & 1-1/16"	14-1/2"
*2812B	1-1/16" & 1-1/4"	17"
*2812C	1-1/8" & 1-3/8"	17"
2812	1-1/4" & 1-3/8"	17"
*2812A	1-1/4" & 1-7/16"	19-5/8"
2812E	1-5/16" & 1-1/2"	19-5/8"
2813	1-7/16" & 1-5/8"	19-5/8"
2813A	1-1/2" & 1-11/16"	19-5/8"
2815	1-13/16" & 2"	24"
2815B	1-7/8" & 2"	24"
2815A	2" & 2-3/8"	26"
2819	2-3/16" & 2-3/8"	26"
2821	2-9/16" & 2-3/4"	28"

*Will discontinue when stocks depleted.

No. 15 Box Wrench Set
3/8" to 1-1/16"



No. 15 Box Wrench Set contains one each of the following wrenches: Nos. 2890, 2891, 2892, 2893, 2894, and 2895. In leatherette roll as illustrated.

15 Deg. Angle Box Wrenches

The No. 2890 Series Box Wrenches are for work with low overhead clearance. Heads are at angles of from 10 degrees to 15 degrees, depending on the length of the wrench. All have double hexagon openings and are chrome-plated with polished heads. Chrome Vanadium Steel.

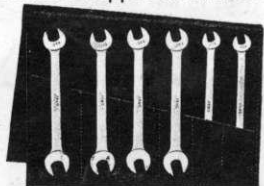
No.	Double Hexagon Openings	Length
2890	3/8" & 7/16"	7-5/8"
2891	1/2" & 9/16"	8-5/8"
2892	5/8" & 11/16"	9-5/8"
2892A	5/8" & 3/4"	9-5/8"
2893A	3/4" & 25/32"	11"
2893	3/4" & 13/16"	11"
2894A	13/16" & 7/8"	13-1/4"
2894	7/8" & 15/16"	13-1/4"
2895A	15/16" & 1"	15-1/2"
2895	1" & 1-1/16"	15-1/2"
2896	1-1/8" & 1-3/8"	17"
2897	1-1/4" & 1-7/16"	17"

The Finest That  Money Can Buy

GRAY-BONNEY TAPPET WRENCHES

MANIFOLD AND CASTOR-CAMBER

Standard Tappet Wrench Sets

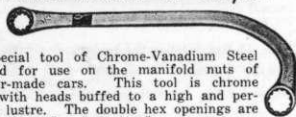


No. 6T Set consists of 6 Chrome-Vanadium Tappet Wrenches, 2 each Nos. 122A, 124A and 124B, covering openings 7/16" & 1/2", 9/16" & 5/8", 11/16" & 3/4". In leatherette roll as illustrated.

No. 4T Set consists of 4 Wrenches, 2 each Nos. 122 and 124, covering sizes 1/2", 9/16", 5/8" and 11/16". In leatherette roll.

No. 2883

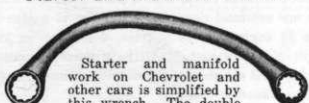
Manifold Wrench for Chrysler



A special tool of Chrome-Vanadium Steel designed for use on the manifold nuts of Chrysler-made cars. This tool is chrome plated with heads buffed to a high and permanent lustre. The double hex openings are 5/8" and 9/16". Length 9".

No. 2319

Starter and Manifold Wrench

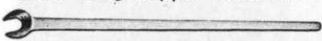


Starter and manifold work on Chevrolet and other cars is simplified by this wrench. The double Hex openings are 9/16" and 5/8". Length 7-3/4".

Standard Tappet Wrenches

No.	Size Openings	Length	Thickness Heads
122A	7/16" & 1/2"	8"	5/32"
122B	17/32" & 21/32"	8"	5/32"
122	1/2" & 9/16"	8"	5/32"
124A	9/16" & 5/8"	8-1/2"	3/16"
124	5/8" & 11/16"	8-1/2"	3/16"
124B	11/16" & 3/4"	8-1/2"	3/16"
426	3/4" & 7/8"	9"	7/32"
428	15/16" & 1"	9-1/2"	7/32"

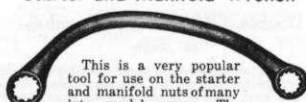
Extra Long Tappet Wrenches



No.	Size Openings	Length	Thickness Heads
L401A	7/16"	15"	3/16"
L402	1/2"	15"	3/16"
L403	9/16"	15"	3/16"
L404	5/8"	15"	3/16"

No. 2884

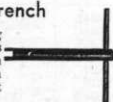
Starter and Manifold Wrench



This is a very popular tool for use on the starter and manifold nuts of many late model cars. The double hex openings are 9/16" and 3/4". The length is 7-1/2".

No. 2586 Carburetor Wrench

A special tool for adjusting Ford V-8 Carburetor Jets. It is an accurate tool for the precision adjustments required. Made from Chrome-Vanadium Steel but not guaranteed.



Castor-Camber Crowfoot Type 1/2 Square Drive Wrenches

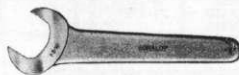
These 1/2 inch square drive attachments fit between arms on either side of the adjusting nut, eliminating need for removal of arms in order to obtain clearance to adjust camber and castor.



No.	Opening	Application
1203	1-3/16"	Meteor and Ford (also use 1205)
1205	1-5/16"	Monarch, Mercury, Meteor, Ford
1207	1-7/16"	Chrysler Cars, 1941-49, except 7 pass. models
1209	1-1/2"	Chrysler 7 pass., Saratoga and New Yorker

Castor adjustment is most satisfactory handled on the following 1949 cars by using the thin single end wrench No. 1238.

No.	Openings	Fits
1238	1-3/16"	Ford, Lincoln, Mercury



GRAY-BONNEY ADJUSTABLE AND HEAD SCREW WRENCHES

Dreadnaught Adjustable Wrenches



These Adjustable Wrenches are drop forged from special analysis tool steel. Fully tempered and heat treated, with polished heads and nickel plating.

No.	Size	Max. Opening	Std. Box Quantity	Weight Box of 6
DAW6	6"	3/4"	6	2-1/2 Lbs.
DAW8	8"	15/16"	6	4 "
DAW10	10"	1-1/8"	6	6 "
DAW12	12"	1-5/16"	6	11 "

Gray-Alloy Adjustable Wrenches



The Gray-Alloy light weight Adjustable Wrench is forged from high-grade alloy steel. It is thinner and lighter, yet much stronger than the standard pattern.

No.	Size	Max. Opening
91-4	4"	1/2"
GA6	6"	3/4"
GA8	8"	15/16"
GA10	10"	1-1/8"
GA12	12"	1-5/16"
GA15	15"	1-11/16"
GA18	18"	2-1/16"

Pipe Wrenches Straight Pattern

No.	Size	Grips Pipe
NSP6	6"	1/8" to 3/4"
NSP8	8"	1/8" to 1"
NSP10	10"	1/8" to 1-1/2"
NSP14	14"	1/4" to 2"
NSP18	18"	1/4" to 2-1/2"
NSP24	24"	1/4" to 3"
NSP36	36"	1/4" to 4-1/2"
NSP48	48"	1" to 6"



These Pipe Wrenches have long been famous for their remarkable durability under hard usage. They are drop forged from specially selected steel and carefully heat treated. The unbreakable housing and free-moving nut are features that will be appreciated by all good mechanics.

TW Series 3/8" Sq. Drive Head Screw Wrenches

The TW Set contains one each of the following

Tool No.	Size Hex. Bit	Size Drive	For Set Screw	For Cap Screw
TW4	1/8"	3/8"	1/4"	#8
TW5	5/32"	3/8"	5/16"	#10 & #12
TW6	3/16"	3/8"	3/8"	1/4"
TW7	7/32"	3/8"	7/16"	5/16"
TW8	1/4"	3/8"	1/2"	3/8" & 7/16"
TW10	5/16"	3/8"	5/8"	1/2"
TW12	3/8"	3/8"	3/4"	

W2-1/2 Fits Allen Set Screw on all above wrenches

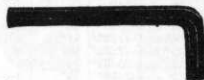


These wrenches, made with replaceable bits, cover all the popular sizes of set screws and cap screws. The TWCB set contains one each of the listed wrenches.

Packed in fibre box

Head Screw Wrenches

No.	Hex. Across Flats	No.	Hex. Across Flats
W1	.050	W8	1/4"
W2	1/16"	W10	5/16"
W2-1/2	5/64"	W12	3/8"
W3	3/32"	W16	1/2"
W4	1/8"	W18	9/16"
W5	5/32"	W20	5/8"
W6	3/16"	W24	3/4"
W7	7/32"		



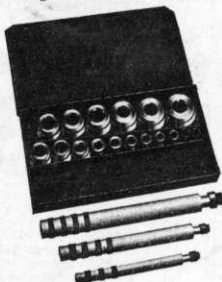
These wrenches are practically indispensable in modern shops. All late model motors are using hollow head cap screws and set screws on which these wrenches must be used.

W11LR Set of 11 Head Screw Wrenches W1 to W12 inclusive in leatherette roll

The Finest That  Money Can Buy

BUSHING DRIVERS AND EXPANSION REAMERS

Bushing Driver Set No. BU40:



This Bushing Driver Set is designed to drive all passenger car bushings and many truck and tractor bushings.

These tools are made of alloy steel carefully hardened and tempered to give the best of service. Guaranteed against defects in workmanship and materials.

Packed in a metal box 7-7/8" long; 4-1/8" wide; 1" high.

Set includes

	Bushing I.D.	Drive O.D.	Fits Handle No.
40-1 Driver	13/32	7/16	42-1, 42-2
40-2 Driver	7/16	1/2	42-1, 42-2
40-3 Driver	1/2	9/16	42-1, 42-2
40-4 Driver	1/2	5/8	42-1, 42-2
40-5 Driver	9/16	5/8	42-1, 42-2
40-6 Driver	9/16	11/16	42-1, 42-2
40-7 Driver	39/64	43/64	42-1, 42-2
	5/8	11/16	
40-8 Driver	5/8	3/4	42-1, 42-2
40-9 Driver	11/16	13/16	42-1, 42-2
41-1 Driver	47/64	55/64	42-3
	3/4	7/8	
41-2 Driver	13/16	15/16	42-3
41-3 Driver	55/64	63/64	42-3
	7/8	1	
41-4 Driver	15/16	1-1/16	42-3
41-5 Driver	1	1-1/8	42-3
41-6 Driver	1-1/16	1-3/16	42-3
41-7 Driver	1-1/8	1-1/4	42-3
41-8 Driver	1-1/4	1-3/8	42-3
42-1 Handle	7/16 Dia. x 5" Long		
42-2 Handle	5/8 Dia. x 6" Long		
42-3 Handle	3/4 Dia. x 7-3/8" Long		
43-1 Nut	fits 42-1 & 42-2		
43-2 Nut	fits 42-3		
40-7 will drive	Chevrolet Six Water Pump Bushing.		
41-1 will drive	Chevrolet Six King Bolt Bushing.		
41-3 will drive	Chevrolet Six King Bolt Bushing.		
	(Knee action car.)		

Expansion Type Reamers and Pilots

Improved Design — 50% Faster

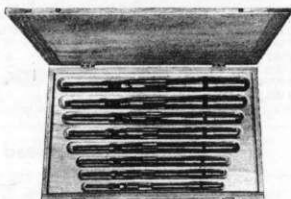


Individual Reamer Specifications

No.	Size	Length Overall		No. of Blades
		Reamer	Blades	
8A	1/4" to 9/32"	3-1/2"	1-5/8"	4
7A	9/32" to 5/16"	3-3/4"	1-5/8"	4
6A	5/16" to 11/32"	4"	1-5/8"	4
5A	11/32" to 3/8"	4-1/4"	1-7/8"	4
4A	3/8" to 13/32"	4-1/2"	1-7/8"	4
3A	13/32" to 7/16"	4-3/4"	1-7/8"	6
2A	7/16" to 15/32"	5"	1-7/8"	6
A	15/32" to 17/32"	5-1/4"	2"	6
B	17/32" to 19/32"	5-3/4"	2"	6
C	19/32" to 21/32"	6-1/4"	2-1/4"	7
D	21/32" to 23/32"	6-3/4"	2-1/4"	7
E	23/32" to 25/32"	7-1/4"	2-1/2"	7
F	25/32" to 27/32"	7-3/4"	2-1/2"	7
G	27/32" to 15/16"	8-1/4"	3"	7
H	15/16" to 1-1/16"	8-3/4"	3"	7
I	1-1/16" to 1-3/16"	10"	3-1/2"	7
J	1-3/16" to 1-1/32"	11"	3-1/2"	7
K	1-11/32" to 1-17/32"	12"	4"	7
L	1-17/32" to 1-25/32"	13"	4"	7
M	1-25/32" to 2-7/32"	15"	5-1/4"	7
N	2-7/32" to 2-3/4"	17"	5-3/4"	7
O	2-3/4" to 3-11/32"	19"	6-1/2"	7

NOTE—When ordering pilots only, simply specify the reamer size. Shanks used for reamers 8A to 2A.

The improved design of these expansion type reamers is a very definite improvement over the old type. The staggered or unevenly spaced blades set at the correct angle, together with the special retaining collars, eliminates chatter and doubles the life of the reamer. They are constructed so that pilots may be quickly and easily attached, thus doubling the utility of the reamer. The pilots may be purchased separately and will fit all Critchley type reamers.



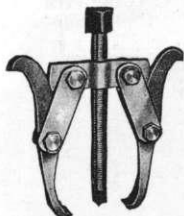
Set No. L03 (with Pilots Attached)

No. L01 Set contains 8 reamers without pilots from 15/32" to 1-1/16" (sizes A-H) in wood box. As illustrated.

No. L03 Set contains the same reamers as L01 Set, but with pilots attached.

GRAY-BONNEY PULLERS, SCREW EXTRACTORS AND THREAD RESTORERS

Gear Pullers



This improved Gear Puller with special gripping feature, will handle all types of gears, pinions, etc., better than anything previously offered. The double end jaws are thin and shaped so that slipping is impossible. Light in weight, yet strong enough for the toughest job.

No. 1001 with 1/2" screw 6" long, and jaws having a spread of 6", by 3-1/2" in length, is ideal for small work.

No. 1002 is an "all purpose" tool which will handle a wide range of work. Jaws are 5-1/2" long, with a spread of 8". Screw is 9" long by 5/8" diameter.

No. 1003 is equipped with 9" jaws—spread 12". Screw is 12" long by 13/16" diameter.

"LonGrip" Screw Extractors



Rigid "LonGrip" Extractors are positive in operation and easy to use. Simply drill the screw to be removed with the correct size drill (as shown below), deep enough so that the extractor will grip, insert the corresponding extractor, and turn.

Set No. RE3 — Extractors Nos. 3, 4 and 5.

Set No. RE5 — Extractors Nos. 1, 2, 3, 4 and 5.

No.	Fits Screw	Use Drill	O.D.	Length	Depth
SE1	1/4"	1/8"	.139	2-5/16"	1"
SE2	5/16"	3/16"	.205	2-3/4"	1"
SE3	3/8"	1/4"	.272	3-1/16"	1"
SE4	7/16"	5/16"	.338	3-5/16"	1"
SE5	1/2-9/16"	11/32"	.374	3-3/4"	1"

Thread Restorers

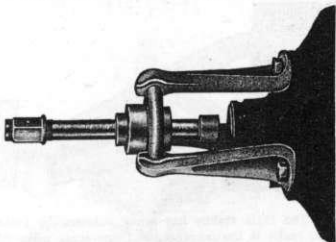


Thread Restorers will save you much time and trouble when you have damaged threads to contend with. A few strokes across battered threads produce a true new thread—nut will then go on easily. Add a pair to your service kit.

No. TR1—has 8 thread sizes—11, 12, 13, 14, 16, 18, 20 and 24 threads to the inch.

No. TR2—has 8 thread sizes—9, 10, 15, 16, 20, 26, 28 and 32 threads to the inch.

No. 827 Universal Wheel Puller



The best, simplest, and sturdiest wheel puller ever developed. Has tremendous power, yet cannot bend or otherwise damage the wheel lugs.

With the three regular legs, shown above, it works perfectly on over 98% of all makes of cars.

The screw has very fine threads, which give it an extremely powerful leverage. In addition, the puller is equipped with a sliding bearing through which the driving screw rides. This feature makes it possible for the operator to attach the puller to the studs, then draw the screw tightly against the axle and with a light blow of a hammer, remove the most stubborn hub. Extends to include 8 inch bolt circle.

Another feature is the floating cap on the screw end. This centers on the axle, avoiding injury to either axle or puller.

The driving end is forged with a hexagon head which firmly holds the driving handle. The handle driving bar can be eliminated if it is desired to turn the screw up with an ordinary socket or open end wrench.

No. 827L—Extra Leg for Above

No. 827H Handle



Designed especially for No. 827 Wheel Puller. Drop forged and heat treated.

No. 827V Wheel Puller Adaptor

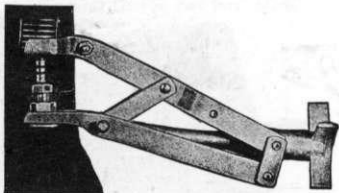


This adaptor will work on all Ford V-8 hubs from 1936 to date. Engage two of the puller arms in the bolts and slide the adaptor over the hub groove. Apply pressure by means of the pressure screw, and a straight steady pull will result.

The Finest That  Money Can Buy

GRAY-BONNEY VALVE TOOLS

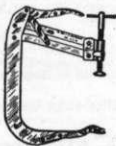
No. CF49 Stubby Type Valve Lifter



The little stubby has many outstanding features to make it the most popular universal valve lifter on the market to-day. It will service any "L" Head motor having the cylinders in one line and straight stemmed valves. It is so small that it gets in all the tight corners with ease. It has no catches to wear and slip; no pinching of fingers, etc. Not necessary to remove manifolds when you use a Gray-Bonney stubby.

No. CF4 Valve Spring Compressor

SMALL SERIES



Serves all Chevrolet and many low horse-power motors including some of British origin. Also well adapted to many L head motors when manifolds are removed. Heavy bar-steel with adjustable jaws, oil tempered. Screw adjustment for plunger depth. Safety over-center lock allows both hands free when spring is raised. Throat $4\frac{1}{4}'' \times 6\frac{1}{4}''$.

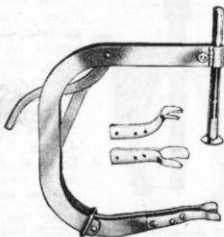
No. CF2 Split Lock Replacer



The No. CF2 is just the tool for replacing all types of split keys on hard-to-get-at motors—Chrysler, Dodge, DeSoto, Plymouth, Studebaker, Oldsmobile and all late model cars. The sliding base prevents the keys from dropping into the motor. Simple to load; easy to operate; much safer than grease.

No. CF11 Valve Lifter

UNIVERSAL "C" CLAMP TYPE



Height 10-1/4", Width 9-1/2", Handles 1-1/8" to 1-3/4" spring.

Equipped with CF21 Straight Jaws, CF22 Offset Jaws are included in package.

Recommended for all Valve-in-Head Automotive Motors and L-Head Motors which allow working room for the tool. Truly a one man tool. Easy control. Designed for use with Split Lock Replacer CF2 for easy and sure handling of Locks without a fumble.

Extra Jaws and Adapter for CF11



CF21 Straight Jaws—1-1/8" to 1-3/4" capacity. Designed to work with CF2 Lock Replacer.

CF22 Offset Jaws 1-5/8" to 1-3/4" capacity. Designed to work with CF2 where Tappet Chamber opening is limited.

CF23 Large Straight Jaws—1-5/8" to 2-3/4" capacity. Designed for use with Heavy Duty Equipment. Contains large spring openings.

CF26 Special Adapter—Designed for Cadillac Cars, Minneapolis-Moline Tractors. For use with CF11. Equipped with CF21 Straight Jaws, and CF2 for replacement of the Valve Locks.

No. FT57 V-8 Universal Valve Lifter

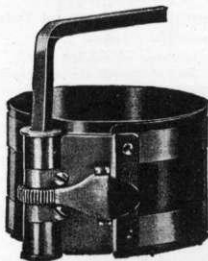
To Fit All Models



A Ford Valve Lifter especially designed to fit all models. The double end feature is a definite improvement over the old type and eliminates the necessity of buying two tools. Drop forged from alloy steel and 27" long. Not guaranteed against breakage.

GRAY-BONNEY PISTON AND SPECIAL TOOLS

Piston Ring Compressors



These improved ring compressors are a definite improvement over anything previously offered. The self locking pawl will hold the compression band at any point, and in addition a double tension band is provided. This band of high grade spring steel will reduce breakage to a minimum, and will eliminate flare out at the bottom of the compressor. The handle

is made of 1/4" stock and can easily be replaced if lost. The beaded edge will prevent the compressor from entering the cylinder. These tools are made in four sizes, as follows:

No. RC1 for cars 2 1/2" to 5"—Non-locking.

No. RC2 for cars 2 1/2" to 5".

No. RC3 for trucks and Diesel engines with range of 3 1/2" to 7".

No. RC4 same as RC3 but 6 1/2" in height with four tension bands.



No. 223 Ring Groove Cleaner

A handy and practical tool which should be in every garage. The cutter can be instantly adjusted to the desired size of 3/32", 1/8", 5/32" or 3/16", and will handle pistons from the smallest to 6" O.D. Where a groove has to be deepened for the installation of inner rings this tool is ideal.

Shop Knife



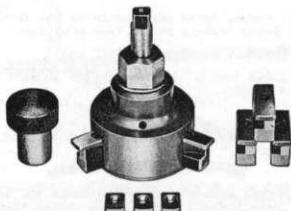
For cutting shims, gaskets, packing, top and upholstery materials, this Knife is unsurpassed. Five razor edge blades fit inside the handle, and a new one can be inserted in an instant.

No. 199 Die Cast Aluminum Handle, Complete With Blades.

Extra Blades are available for these Knives in packages of five.

Universal Cylinder Ridge Reamer

No. L0173



This ridge reamer removes the unworn ridge from the cylinders of all cars with bores from 2 1/2" to 4 1/2". The supporting lugs are mounted on the blades and expand with them. This eliminates the necessity of removing studs. For cars with recessed heads the lugs are replaced by small plates and the tool rests on the top of the piston while reaming.

No. L0173 Set, as illustrated, contains one set of three blades with lugs to ream 2 1/2" to 3 3/4", one set of three blades with lugs to ream 3 3/4" to 4 1/2", one set of three plates and one operating knob, in metal box.

No. 839 Carbon Scraper



Made from spring steel wire to assure long life and flexibility. Permits scraping uneven contours on cylinder head blocks.

Clutch Alignment Set No. CA41

This is a complete set that will handle the clutches of nearly all cars. The assortment of pilots included in each set results in one tool that will give quick, accurate clutch alignment. Supplied in a metal box 10 1/4" x 1 3/4" x 1 3/4". Net weight approximately 5 lbs.



GRAY-BONNEY BRAKE TOOLS

Nos. 2566 and 2566A Brake Tools



For making brake adjustments on cars equipped with Bendix brakes. Forged from alloy steel.

No. 2566 has $\frac{1}{2}$ " blades, is $7\frac{1}{2}$ " long.

No. 2566A has $\frac{1}{4}$ " blades with one straight end, is 8" long.

No. 2599 Hydraulic Brake Wrench



Designed especially for adjustments on Bendix and other hydraulic brakes. The curved blade is for the "Star Wheel" brake adjustments, while the open end is for adjusting the eccentric nut on all Bendix Two Shoe brakes. Drop-forged of alloy steel, chrome plated. Blade is $\frac{3}{8}$ " wide. Open end has $\frac{1}{8}$ " opening. Overall length $9\frac{1}{4}$ ".

No. 2357D Ford Brake Wrench



For making adjustments on brakes on Ford cars and trucks. Has double square openings in $\frac{7}{16}$ " and $\frac{1}{2}$ " sizes. Drop-forged of alloy steel and chrome plated. Length $10\frac{1}{4}$ ".

No. 2629 Brake Wrench

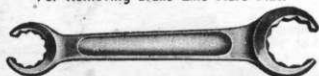
For Chrysler Built Cars



This single head drop-forged alloy steel box end wrench has a double hexagon opening of 1-1/16". It is designed especially for making brake adjustments on Plymouth, Dodge, DeSoto and Chrysler cars.

No. 2612 and 2618 Brake Tools

For Removing Brake Line Flare Nuts



Slotted box wrenches for use when removing or installing brake line flare nuts. Drop-forged of alloy steel and chrome plated.

No. 2612 has $\frac{3}{8}$ " and $\frac{1}{2}$ " openings required for servicing Ford, Mercury, Monarch and Lincoln.

No. 2618 has openings of $\frac{7}{16}$ " and $\frac{9}{16}$ " for use on most other hydraulic brake systems.

No. 51 Brake Set

This is a very practical set of Specialized Tools for use in servicing automotive brakes.



This kit contains the six most often required Specialized Brake Service Tools. The types provided will enable the mechanic to service brakes on practically all makes and models of cars and trucks.

Contents include one each:

Nos. 2566 Bendix brake tool.

" 2566A " " "

" 2599 " " "

" 2357D Ford " " "

" 2680 Brake spring plier.

" K50 Brake feeler gauge.

Supplied in a strong leatherette tool roll with a pocket for each tool as illustrated above.

GRAY-BONNEY BRAKE TOOLS

No. L0925 Hydraulic Brake Cylinder Hone

Simple but sturdy construction makes it easy and inexpensive to operate and assures long, satisfactory service.

Each of the two small bodies has one set of three blade slots. The one body has shallow slots and the other has slots $1/32$ " deeper. One set of blades expands $1/16$ of an inch in each set of slots or, moving them from one set of slots to another gives $1/8$ of an inch expansion; using the three sets of blades in this manner gives $3/16$ of an inch expansion in each of the small bodies, and $3/8$ of an inch expansion in the medium and large bodies so that the set illustrated with the four bodies has a range of from $3/4$ " to $1-7/8$ " which covers most pleasure cars and trucks.



No. L0925—Range $3/4$ " to $1-7/8$ ", contains four bodies, three sets of three blades (small, medium and large), with abrasives mounted, eighteen extra abrasives (nine coarse and nine fine). Special 1 " cup screw to be used on medium size body when honing step bore cylinders and flexible driving shaft adaptable to $1/4$ " or $1/2$ " electric drill, put up in neat metal box.

Individual parts for L0925 set:

L0899C—Coarse hone abrasives (1 dozen).

L0899F—Fine hone abrasives (1 dozen).

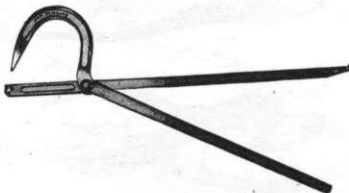
L0920—Flexible driving shaft.

No. 531 Brake Spring Compressor



Place tapered end of tool on steel cup, then place index finger of other hand on head of pin located on rear of back-up plate. Push in on tool until arrow head of pin is uncovered. Make one quarter turn—release pressure and the cup comes off the spring. Fits all regular and flat cups.

No. 2680 Brake Spring Plier



An unusually efficient brake spring plier designed especially for the removal and replacement of internal brake springs on all types and sizes of trucks, and many passenger cars. Size 13 ".

No. 525 Brake Spring Plier



An extra slim, light brake plier designed for use on all passenger cars and light trucks. Not guaranteed. Size 13 ".

No. 530 "C" Washer Brake Pliers



This special tool is for removing, installing and crimping hydraulic brake "C" lock washers. The most stubborn "C" lock washer can be easily removed with the tool. Size $7\frac{1}{2}$ ".

No. B21 Lock Ring Pliers



Designed especially to spread the snap lock rings and horse shoe type of brake key in order to remove them from brakes, transmissions, pedal, clutch and fan pulley shafts when removing them from assembly. Drop forged of chrome alloy steel. Outside of jaws are toothed to prevent any possibility of slipping. Plier will spread any lock ring washer up to $1\frac{1}{4}$ " diameter. Size 8 ".

GRAY-BONNEY AUTOMOTIVE PLIERS



No. 513 Mechanics Slip Joint Side Cutting Pliers

Forged from Chrome-Vanadium Steel, hardened and tempered, this plier is designed for hard usage. The sharp cutting side knives are ground to assure their longer life. The well designed head has a flush rivet on one side. Polished head and fully chrome plated.

Size..... 7"



No. 816 General Purpose Slip Joint Side Cutting Pliers

A well balanced medium priced Plier. It provides strong gripping power and has excellent side cutter knives. Forged from Chrome-Vanadium Steel with knurled handles, polished and fully finished in lustrous chrome.

Size..... 6"



Nos. B6 and B8 Combination Pliers

These General Purpose Slip Joint Pliers are sturdily built for general service. They are drop forged, heat treated and nickel plated. Available in the two following popular sizes.

B6—Size..... 6"

B8—Size..... 8"



No. 828 Heavy Duty Slip Joint Pliers

Here is a good alloy steel long service Slip Joint Plier with notch type cutter. All mechanics should own a pair of these long heavy duty pliers.

Size..... 10"



No. 523 Thin Angle Nose Slip Joint Gripping Pliers

A powerful Gripping Plier with teeth set as in a pipe wrench that will not slip on a smooth round surface. This tool is for gripping frozen nuts or bolts and odd shaped objects. There are three different opening adjustments and the jaws open to take up to one inch. The angle nose gets into those "hard-to-get-at" places. Drop forged of high grade alloy steel, polished head.

Size..... 7"



No. 522 Angle Nose Battery Pliers

The handiest drop forged alloy steel plier ever designed for use when loosening or tightening the terminal nuts or battery cables. Polished head and fully finished in chrome.

Size..... 7½"



No. 258 Water Pump and Electricians' Lock Nut Pliers

This quality multi-use drop forged alloy steel Plier is for use on adjustable packing and lock nuts. It has a positive grip action with six different opening adjustments. Maximum opening two inches. Polished head and fully chrome plated.

Size..... 9½"



No. 833 Body Trimmers' Pliers

This body trimmers' Hog Ring Plier is used for closing the prongs of metal lock rings used on body hardware and other installations requiring use of locking rings.

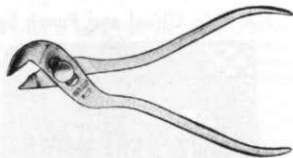
Size..... 8"

GRAY-BONNEY AUTOMOTIVE PLIERS

No. 517 Slip Joint Ignition Pliers

This delicate Ignition Plier is designed for use on all ignition units and on other equipment where small nuts and bolts are encountered. Drop forged from Chrome-Vanadium Steel, the head is correctly designed providing three opening adjustments. It is spring tempered and fully chrome plated. Not Guaranteed. Factory repairs 45c net.

Size.....4 1/4"



No. B17 Diagonal Cutting Pliers

A high grade medium size Diagonal Cutting Plier with accurately ground cutter jaws. Drop forged from Chrome-Vanadium Steel, polished head and fully chrome plated. A sure cutter and a real cotter key puller.

Size.....6"



No. B18 Heavy Duty Diagonal Cutting Pliers

This high leverage Diagonal Cutter Plier is for heavy duty service. The accurately ground cutting edges assure easy cutting. Drop forged of Chrome-Vanadium Steel, polished head and finished in chrome.

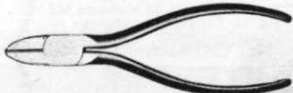
Size.....7"



No. 41-4 Diagonal Cutting Pliers

Drop forged of the finest quality alloy steel, this four-inch Electrician's Diagonal Cutting Plier is a practical addition to any tool kit.

Size.....4"



No. 39 Diagonal Cutting Pliers (Heavy Duty)

Drop forged of fine alloy steel, this plier has hand-honed cutter knives that cut clean and will stand up. Designed to give great leverage in cutting as well as pulling cotter keys.

Size.....7"



No. 654 Long Nose Side Cutting Pliers

This is a long, fine, spring tempered nose, side cutting Plier, drop forged from alloy steel and carefully heat treated. The long nose of this plier will reach into tight places inaccessible with any other plier, and the keen edged cutter will cut practically any wire found in automotive work except the heavier ignition wires and battery cables. Not Guaranteed.

Size.....6"



Nos. B22 - B23 Lineman's Pliers

General utility standard Cutting Pliers for linemen and other electricians. Drop forged from alloy steel and carefully heat treated. Available in two sizes.

B22—Size.....6"

B23—Size.....8"



No. B30 Duck Bill Pliers

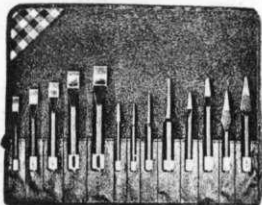
This is a very practical Plier for use when working on equipment where little operating space is available. The long leverage grips provide for powerful leverage. Ideal for use when working on carburetors, ignition or similar units.

Size.....8"



GRAY-BONNEY PUNCH AND CHISEL SETS

No. C46 Chisel and Punch Set



Set No. C46 contains a compact assortment of nine Chisels and four Punches to serve everyday needs. Content includes: Flat Chisels Nos. C2, C3, C4, C5, C6; Cape Chisels Nos. C12, C13; Diamond Point Chisels Nos. C15, C16; Pin Punches Nos. C28, C29, C30; Center Punch No. C34. Every piece is forged from high quality alloy steel and properly heat treated. The heads and working bits are full finished with shafts in baked blue enamel.

Set No. C46-CB—In cardboard box.
Set No. C46-LR—in leatherette roll.

No. C47 Chisel and Punch Set



Set No. C47 is for the man requiring a complete set of Chisels and Punches. It contains thirteen Chisels, ten Punches, a Rivet Buster and a Pinch or Pry Bar. Content includes: Flat Chisels Nos. C2, C3, C4, C5, C6, C7; Cape Chisels Nos. C12, C13; Long Flat Chisel No. C10; Diamond Point Chisels Nos. C15, C16; Round Nose Chisels Nos. C18, C19; Long Taper Punches Nos. C25, C26; Prick Punch No. C32; Solid Punches Nos. C21, C22, C23; Pin Punches Nos. C28, C29, C30; Center Punch No. C34; Rivet Buster No. C36 and Pry or Pinch Bar No. C38. Every piece is forged from high quality alloy steel and properly heat treated. Full finished heads and working bits with shafts in baked blue enamel.

Set No. C47-CB—In cardboard box.
Set No. C47-LR—In leatherette roll.

No. C45 Flat Chisel Set



This set of Gray-Bonney Flat Chisels completely covers the range required in everyday service work. It contains the following Flat Chisels: Nos. C2, C3, C4, C5, and C6, having cutting blade widths of 1/2", 5/8", 3/4", 7/8", and 1". All are forged from the highest quality alloy steel of a specification most suitable for this type of tool. They are properly heat treated to assure hard, tough cutting ability. Their octagon baked blue enamel shafts offer an easy, secure grip. Cutting blades and striking heads are full finished.

Set No. C45-CB—In cardboard box.
Set No. C45-LR—in leatherette roll.

No. PC39 Dealer's Merchandiser



Here is an ideal Punch and Chisel counter type Merchandiser. It contains the most popular tools of this type. It was created on popular demand as an aid to sales and service. The unit is constructed with a red masonite back panel mounted on a varnished maple base bearing part numbers. This Merchandiser complete with tools is contained in a strong shipping carton. Content includes: two each Pin Punches Nos. C28, C29, C30; two each Long Taper Punches Nos. C25, C26; two each Solid Punches Nos. C21, C22, C23; two Prick Punches No. C32; four Center Punches No. C34; three each Flat Chisels Nos. C2, C3; two Flat Chisels No. C4; one each Flat Chisels Nos. C5, C6; two each Cape Chisels Nos. C12, C13; two Round Nose Chisels No. C18; one Round Nose Chisel No. C19.

GRAY-BONNEY PUNCHES AND CHISELS

Gray-Bonney has spared no effort to offer the best in these types of tools. All are forged of special alloy steel and are carefully heat treated. Mechanics find that the bits are hard and tough enough to work on any untempered material, but still sufficiently soft to be resharpened with a file. They have well crowned comparatively soft heads, which reduce chipping and allow them to be readily redressed when battered. Blades, tips and heads full polished, handles finished in baked blue enamel.



PIN PUNCHES

No.	Size Stock	Point Diameter	Length
C28	3/8"	1/8"	5"
C29	1/2"	3/16"	5-5/8"
C30	5/8"	1/4"	6-3/8"



LONG TAPER PUNCHES

No.	Size Stock	Point Diameter	Length
C25	3/8"	3/32"	8"
C26	1/2"	3/16"	9"



SOLID PUNCHES

No.	Size Stock	Point Diameter	Length
C21	3/8"	1/16"	5-1/2"
C22	1/2"	3/32"	6-1/4"
C23	5/8"	1/8"	7"



PRICK PUNCH

No.	Size Stock	Length
C32	3/8"	5"



CENTRE PUNCH

No.	Size Stock	Length
C34	3/8"	5"



PRY OR PINCH BAR

No.	Size Stock	Length
C38	5/8"	16"

Lining-Up Punches (Silico-Manganese Steel)



FLAT CHISELS

No.	Size Stock	Width of Cut	Length
C2	3/8"	1/2"	5-1/2"
C3	1/2"	5/8"	6"
C4	5/8"	3/4"	6-1/2"
C5	3/4"	7/8"	7-1/2"
C6	7/8"	1"	8"
C7	1"	1-1/4"	8-1/2"



LONG FLAT CHISEL

No.	Size Stock	Width of Cut	Length
C10	3/4"	7/8"	14"



CAPE CHISELS

No.	Size Stock	Width of Cut	Length
C11	3/8"	1/8"	4-1/2"
C12	1/2"	3/4"	6"
C13	5/8"	3/8"	7"



DIAMOND POINT CHISELS

No.	Size Stock	Width of Cut	Length
C15	1/2"	1/4"	6"
C16	5/8"	3/8"	7"



ROUND NOSE CHISELS

No.	Size Stock	Width of Cut	Length
C18	1/2"	1/4"	6"
C19	5/8"	3/8"	7"



RIVET BUSTER

No.	Size Stock	Width of Cut	Length
C36	3/4"	5/8"	12"

No. 8386—Lining-Up Punch,
5/8" stock, 5/16" point.
Length, 15".
No. 8385—Lining-Up Punch,
3/4" stock, 5/16" point.
Length, 18".

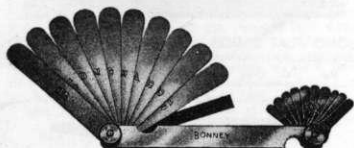
GRAY-BONNEY FEELER GAUGES

Gray-Bonney Feeler Gauges are made from the finest imported Swedish Steel, carefully Heat-Treated and Tempered to withstand wear. Each blade is tested to insure the exact thickness which is etched on it.



No. K50 Brake Adjusting Gauge

For measuring clearance between brake and shoe. 9 blades 4" long in the following thicknesses—.006; .008; .010; .012; .015; .018; .020; .022 and .032.



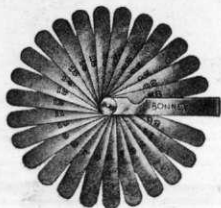
No. K51 General Purpose Gauge

Especially for tappet and ignition work—the most popular gauge on the market. 10 blades 1-1/2" long, 10 blades 3-5/8" long and 3" point file. Short blades in the following thicknesses—.012; .013; .014; .018; .020; .022; .024; .025; .028; .032. Long blades in following thicknesses—.002; .003; .004; .005; .006; .007; .008; .010; .013 and .015.



No. K52 Ignition Gauge

Contains 10 narrow blades 1-1/2" long for ignition distributor points and spark plugs. Thickness of blades included as follows—.012 .013; .014; .018; .020; .022; .025; .028; .032 and .035.



No. K53 Universal Master Gauge

Has full range of spacers—25 blades, each 3-5/8" long in following thicknesses—.0015; .002; .003; .004; .005; .006; .007; .008; .009; .010; .011; .012; .013; .014; .015; .016; .018; .020; .022; .024; .025; .028; .030; .032 and .035.



No. K54 Standard Feeler Gauge

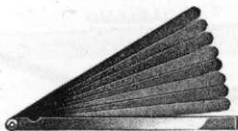
Contains 10 blades 3-3/8" long in following sizes—.002; .003; .004; .005; .006; .007; .008; .010; .012 and .015.

GRAY-BONNEY FEELER GAUGES

Gray-Bonney Feeler Gauges are made from the finest imported Swedish Steel, carefully Heat-Treated and Tempered to withstand wear. Each blade is tested to insure the exact thickness which is etched on it.

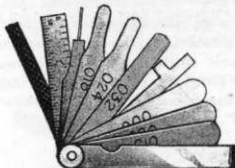
No. K55 Extra Long Feeler Gauge

Exceptionally useful for pistons, etc. Has 8 blades, each 9" long in the following sizes—.002; .003; .004; .005; .006; .008; .010; .015.



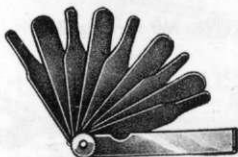
No. K57 Chevrolet Feeler Gauge

This Gauge, especially designed for the Chevrolet cars and trucks, has eight blades, an ignition file and 3-inch steel rule. It also includes: Float Level Gauge; Gauges for valve setting; Round Wire Stock Gauge for spark plug gaps. This is a tool every Chevrolet mechanic will find very convenient.



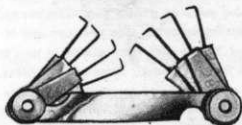
No. K58 Ford Feeler Gauge

A ten blade Gauge for the service man that works on Ford cars and trucks. Each of the ten blades is marked with the thickness. Ends of blades have been carefully ground to provide for the accurate adjustments necessary to assure satisfactory operation of all Ford cars and trucks, including latest models.



No. K59 Spark Plug Gap Gauge

This Gauge is designed specifically for use when adjusting spark plug gap settings. The feelers are of round wire gauge stock and permit very accurate settings.



No. K56 Single End Feeler Gauge

Positive Adjustable Lock Stock Holder.

Any thickness of feeler gauge stock coils within the handle and can readily be pulled out for use. Any desired length of strip stock or standard 12" blades may be used. Positive sliding lock securely holds blades. Made from hard drawn, cold rolled steel and satin nickel plated. Length, 4-1/2". Weight, 1 oz.



Feeler Gauge Stock

Made from the same high quality Swedish Steel as used in the Gray-Bonney Gauges. Supplied in handy 12" lengths, each marked as to size and wrapped in cellophane. 12 pieces to carton. Available in following sizes:—.0015; .002; .003; .004; .005; .006; .008; .010; .012; .013; .015; .018; .020; .022; .024; .025 and .032.

GRAY-BONNEY SERVICE STATION TOOLS

No. M8 Tire Spreader

(Adjustable)



This is a desirable time-saving tool for the tire service department. It rides easily around the entire circumference of the casing on revolving rollers which are grooved to prevent slipping. Adjustable to spread tires from 5-1/2" to 7-3/4". Nickel plated. Length 17". Weight 2 lbs. 6 oz.

No. M9 Grease Bar

(Universal)



Frozen shackles are easily freed up for greasing by using this one man grease bar. The bar end slips over the spring applying side pressure and is set at an angle of 25° to give easy access to any type of spring. It firmly grips all three spring leaves. The long thin end is knurled to prevent slippage. The use of this bar will eliminate bending, distorting or otherwise damaging shackles in an effort to force lubricant through the bushings. Heat treated and nickel plated. 3/4" hex. steel, 2-1/2' long, weight 4 lbs. 6 oz.

No. 840 Wire Scratch Brush



A good quality brush for removing dirt and grease and carbon.

No. 522 Angle Nose Battery Plier



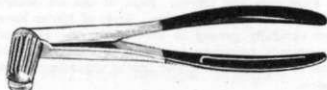
The handiest plier ever designed for battery work. Chrome plated and 7-1/2" long.

No. 526 Round Nose Battery Plier



For those who prefer a Battery Plier with the round nose. Nickel plated and painted handles. 7-1/4" long.

No. 524 Battery Terminal Spreader



Spreads battery cable terminals. A great help when removing or installing battery cables. Heat treated nickel plated with painted handles. 7-3/8" long.

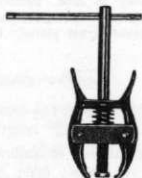
No. 6481 Battery Terminal Wrench



Double end box wrench with 9/16" and 5/8" double hexagon openings. Designed for servicing battery terminal nuts and bolts. 6" long.

No. 1000 Battery Terminal Puller

A sure grip miniature puller which will remove the most stubborn battery cable terminal. It is a real time saver when removing storage batteries.



GRAY-BONNEY SERVICE STATION TOOLS

Four Way Rim Wrenches



No. 308—Forged steel. Deep sockets, 5/8", 3/4", 13/16" and 7/8" openings. Arms 9/16" diameter and 16-1/2" long. Nickel plated and forged from Chrome Vanadium steel. Not Guaranteed.

No. 309—Special 4-way rim wrench for trucks. See details given below.

Truck Rim Wrenches



The truck rim wrenches shown below will cover practically all wheel nuts on present day trucks.

1258	1-1/2" Hex. x 13/16" Sq.
7940	13/16" Sq. x 1-1/8" Hex.
7943A	15/16" Hex. Crank Type.
7944	7/8" Hex. x 1-1/16" Hex.
7944A	7/8" Hex. x 1-3/16" Hex.
7944B	Cross Bar for 7944 only.
1258B	Cross Bar for other than 7944.
309	4-Way—1-3/16" Sq. x 7/8" Hex. x 1" Hex. x 1-1/2" Hex. x 1-3/16" Hex. x 1-1/2" Hex. Two of the arms incorporate double size openings thus providing six different socket sizes. Arms 1" Rd.; 25-1/2" long. Nickel plated.

No. 1258—Fits Ford, Dodge, Fargo and Budd wheels.
No. 7940—Fits Budd wheels.
No. 7943A—Fits Chevrolet.
No. 7944—Fits International, White.
No. 7944A—Fits G.M.C., Diamond T, Reo, Federal.
No. 309—A special 4-Way Universal Truck Wrench.
See above for size openings.

No. M6T Spoon Type Tire Iron



Straight pattern for trucks and passenger cars. Length 23".

No. M7T Spoon Type Tire Iron



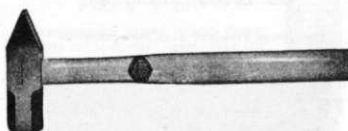
Curved pattern for trucks and passenger cars. Length 23".

No. M5 Special Lock Ring Tool (Improved Type)



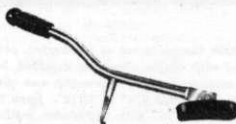
For service on trucks with solid and split rings. Length 20". Not guaranteed.

No. PH19 Tire And Rim Hammer



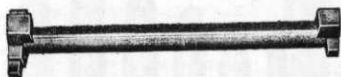
Drop forged from high grade steel and carefully heat treated. This tire and rim hammer is specially designed for all types of work where such a tool is needed. Weight, 3 lbs. Length overall, 16".

No. HCI Hub Cap Remover



The new Hub Cap Removing Tool proves indispensable for servicing many of the late passenger cars and light truck models. Prevents chipping of lacquer and eliminates the possibility of damaging the popular accessory side walls. To operate simply place the blade under the hub cap lip and pull on the handle. Complete with rubber face pad and grip. This new tool will be a fast seller to the Dealer and Tire Trade. Overall length 15 1/2". Approx. weight 1 1/4 lbs.

No. 842 Drain Plug Wrench



A sturdy, well cast Wrench to service practically all cars. Nickel plated.

No. 2626 Drain Plug Wrench



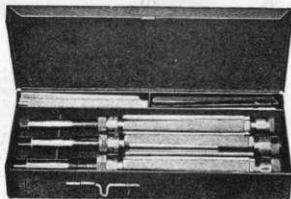
Designed especially for removing and replacing the drain plug on 1939 Fords and Mercurys.

Has 2" double hexagon opening, head offset 20", 10-3/4" long. Made of Bonaloy Steel, Chrome plated.

GRAY-BONNEY MISCELLANEOUS TOOLS

No. L0200 Honing Set

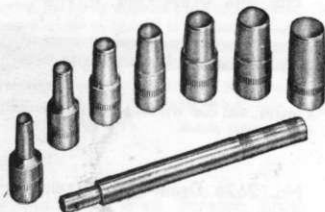
For Piston Pins and King Bolt Bushings



No. L0200 Complete set as illustrated, consisting of 3 Hones with coarse abrasives mounted, 9 coarse refills (3 sets), one set of shims (3), and one set of burnishers (3), range 3/4" to 1.115". Each tool has 1/8" expansion, 1/16" with the blades resting solid in the grooves and 1/16" more with a set of shims under the blades.

- No. L0201—Coarse abrasives (1 dozen).
- No. L0201F—Fine abrasives (1 dozen).
- No. L0202—Set of three burnishers.
- No. L0203—Set of three shims.

No. 70 Gasket Cutter Set



This set consists of seven circular socket type cutting knives complete with 4-1/4" lock-on drive shaft. These cutters will do a host of cutting operations. They are ideal for cutting holes or intricate patterns in gaskets, linoleum or rubber mats. Cutter sizes range from 7/32" to 1/2". All pieces are hardened and plated. Supplied in small wood box.

Screw Starters



The time-saving answer to exasperating fumbling with short screws in tight places. Starts or removes all size slot type screws in difficult, inaccessible places with no interfering claws. Grips the screw inside the screw slot with a 15 pound pull. . . . Releases automatically and re-sets as screw is tightened.

Regular Aluminum

No.	Length
125	2-1/2"
127	5"
129	9"
215	15"
224	24"

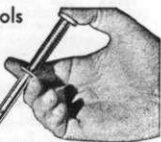
Nylon Non-conductor

No.	Length
NH6	6"
NH9	9"

Special lengths upon request

Holding Tools

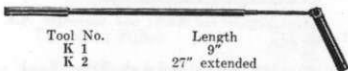
For starting screws, inserting and removing small washers, pins and similar objects, this tool is invaluable. The two spring steel fingers are forced open by pressure on the plunger. When



pressure is released, jaws grip object firmly. This tool is finished in attractive nickel plate, and will be a useful addition to any tool kit. For starting pan screws on Chevrolet, the No. K8 is unequalled.

No.	Reach	Length
K4	3"	5-3/4"
K6	6"	8-3/4"
K8	10"	12-3/4"

Magnetic Pick-Up Tools



Tool No.	Length
K 1	9"
K 2	27" extended

The larger tool (K2) has a telescope type extension handle. These extremely useful tools have a powerful magnet in the hinged end. They are designed for extracting metal objects from tight places and work equally well on screws, washers, nuts, bolts, taper pins, valve pins, etc.

GRAY-BONNEY SCREW DRIVERS

Square Shank

Gray-Bonney Square Shank Screw Drivers are made with forged one-piece blades, from special alloy steel, carefully heat treated over their entire length. The handles are of the popular transparent type, which combines toughness and durability with attractive appearance. Screw drivers in the square series are primarily designed for strength and are confidently recommended for heavy work. Blades are formed with an upset shoulder, against which the handles are forced, and the method of anchoring the shank eliminates the possibility of loose handles.

No.	Length of Blade	Width of Tip	Overall Length
S04	4"	5/16"	7-3/4"
S06	6"	7/16"	10-1/4"
S08	8"	1/2"	12-3/4"
S012	12"	1/2"	17-1/2"

Guarantee — Screwdrivers

Screwdriver Blades are heat treated throughout; broken blades can be re-ground or returned to factory for re-grinding. We cannot accept responsibility for screwdrivers which have been abused.

Electricians'

Gray-Bonney Electricians' Screw Drivers are designed with the care and precision so necessary in screw drivers of this type. The blades are forged from special alloy steel, and are heat treated over their entire length. All drivers, regardless of length, are made from 3/16" stock, which makes them invaluable for reaching hard-to-get-at-screws. The handles are made of tough transparent composition, and are non-conductors of electricity.

No.	Length of Blade	Width of Tip	Overall Length
E03	3"	3/16"	6-1/2"
E06	6"	3/16"	9-1/2"
E010	10"	3/16"	13-1/2"

Round Shank

Gray-Bonney Round Shank Screw Drivers are somewhat lighter than the square type, and are ideal for automotive mechanics. They are made with blades ranging from 4" to 12", and all tips are taper ground, with the entire length of the blades finely polished. The handles are made of moulded composition, and in addition to being extremely durable, are designed to give the user a secure yet comfortable grip. The blade is forged from alloy steel and carefully heat treated over its entire length.

These screw drivers are ideal for electrical work as the handles are non-conductors of electricity.

No.	Length of Blade	Width of Tip	Overall Length
R04	4"	1/4"	7-3/4"
R06	6"	5/16"	10-1/4"
R08	8"	3/8"	13"
R012	12"	7/16"	17-1/2"

Care of Screwdrivers

We frequently receive screwdrivers for grinding which have been used where a tire iron or chisel would have been more suitable. This practice does not save time and usually results in spoiling a good screwdriver.

Wood Handle

Gray-Bonney Wood Handle Screw Drivers are made with the same high grade materials as used in the more expensive drivers. Blades are forged from alloy steel, and are securely anchored in the handles, which are of selected hardwood and beautifully finished.

Tips are taper ground, and the fluted handles give a firm yet comfortable grip. These screw drivers are ideal for mechanics, carpenters and electricians, and are excellent value.

No.	Length of Blade	Width of Tip	Overall Length
W03	3"	7/32"	7-1/4"
W04	4"	1/4"	9"
W06	6"	5/16"	11-3/4"
W08	8"	3/8"	14-1/2"
W010	10"	7/16"	16-1/2"

GRAY-BONNEY SPECIAL SCREW DRIVERS



Phillips' Screw Drivers

Wood Handle

Phillips' screws are rapidly becoming very popular, and every mechanic should have one or more screw drivers of this type. The sizes listed below will take care of all screws. Blades are forged from alloy steel, and are carefully heat treated. The handles are of hardwood, and attractively finished. Not guaranteed.

No.	Blade		Overall Length	Fits Phillips Screws
	Length	Diam.		
WP1	3"	9/64"	8-1/4"	No. 4 and smaller
WP2	4"	1/4"	8-3/4"	No. 5 to No. 8 inc.
WP3	6"	5/16"	11"	No. 10 to No. 16 inc.
WP4	8"	3/8"	14-1/2"	No. 18 and larger

For the mechanic who needs a full set, No. WP Set contains one of each above size. Packed in cardboard box.

Phillips' Screw Drivers

Composition Handle



Where extreme strength is required, these new Phillips' Screw Drivers will be ideal. They have the popular transparent handles, with the blades securely anchored to prevent turning. Not guaranteed.

No.	Blade		Overall Length	Fits Phillips Screws
	Length	Diam.		
CP1	3"	9/64"	6"	4 and smaller
CP2	4"	1/4"	7-3/4"	5 to 9 inc.
CP3	6"	5/16"	10-1/4"	10 to 16 inc.
CP4	8"	3/8"	11"	18 and larger

Short Phillips' Screw Drivers

For cramped quarters — in tightening wind-shield mouldings and on similar jobs — that cannot be reached with regulation length screw drivers, these short screw drivers will be found convenient. Of quality equal to regulation length wood handle screw drivers for Phillips' Screws. Not guaranteed.



No.	Blade		Fits Phillips Screw
	Length	Diameter	
SP1	1"	9/64"	No. 4 and Smaller
SP2	1-3/8"	1/4"	No. 5 to No. 9 inc.

No. 0672 Offset Screw Driver Set



The Offset Screw Drivers illustrated are well adapted for work in the "hard-to-get-at" places and are well suited for ignition, carburetor, generator and starter work. Forged from selected alloy steel, correctly hardened and tempered to withstand strain. Can be purchased singly or in complete sets of three in leatherette roll, as illustrated. No. 0672 Set in Roll.

No.	Size Stock	Length
0669	1/4"	4"
0671	3/8"	6"
0673	1/2"	7"

ROBERTSON SCREW DRIVERS—Wood Handles

The extensive use of Robertson screws makes it necessary for all mechanics to own a set of Robertson Screw Drivers. Hand Drivers may be distinguished by the different color handles. Green for the No. 1 or smallest point; Red for No. 2 or medium point; and Black for No. 3.

Chart showing sizes of various Socket Screws Driven by each driver

Color	Stubby	Regular	Wood Screws	Machine Screws	Self Tapping Type "C"	Self Tapping "A" and "Z"
						Rd. of Binding flat Head oval head
Green	#RB121	RB1 8 1/4" L.	4, 5 & 6	#6	#6	#6 & 7 #6, 7 & 8
Red	#RB122	RB2 9 1/4" L.	7, 8 & 9	#8 & 10	#8 & 10	#8 & 10 #10
Black	#RB123	RB3 9 1/2" L.	10, 12 & 14	#12 & 14	#12 & 14	#12 & 14 #12 & 14



Stubby Type



Regular Type

GRAY-BONNEY SPECIAL SCREW DRIVERS

No. 001 Pocket Size



A very handy screw driver for the mechanic. Clip for holding driver in pocket supplied with each driver. Blade heat treated and handle non-conducting composition. Tip 1/8", length 4-3/8" overall. Not guaranteed.

No. 00A Midget

A tiny screwdriver that is ideal for use on delicate electrical and ignition apparatus. The blade is only 1-1/2" long with a 1/16" tip, with an overall length of 2-7/8". Handle is of non-conductor type. Not guaranteed.

No. E02 Neon Tube Pocket Type



Neon Tube in the handle for testing spark plugs; a tough composition handle that is a non-conductor of electricity, a magnetized tip; and a strong pocket clip. The blade is made of alloy steel and is firmly anchored in the handle. Length of blade, 2-1/4"; width of tip, 1/8". Not guaranteed.

No. E03 Neon Tube Electrical Type

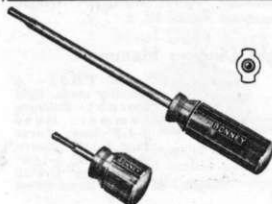


A most useful tool for automotive and electrical work. Built to stand hard usage. Has Neon Tube in handle.

When testing spark plugs, a brilliant orange flash shows plug is O.K. Completely shorted plugs produce no flash. A stringy flash shows plug is partly fouled. Size, 3"; width of tip, 3/16". Not guaranteed.

Extra Neon Tubes can be supplied.

NOTE—Owing to the delicate construction of the blades in 001, 00A, E02 and E03 drivers and the Neon Tubes in E02 and E03, they are not guaranteed against breakage.



Adjusting



This short, sturdy screw driver is invaluable for work in confined spaces and on overhead tappet adjustments. The blade is formed from alloy steel and carefully heat treated.

No.	Length of Blade	Width of Tip	Overall Length
S01	1-3/4"	1/4"	3-3/4"
S02	1"	1/4"	2-3/4"

Hold-E-Zee Screw Drivers



Hold-E-Zee Screw Drivers will hold screws firmly, and will save much valuable time. Handles are of tough composition, with blades carefully heat treated.

No.	Blade Size	Overall Length
R2	5/32" x 2"	4-3/4"
R3	5/32" x 3"	5-3/4"
TR4	5/32" x 4"	7-1/4"
TR6	5/32" x 6"	9-5/8"
TR8	5/32" x 8"	11-5/8"
TR10	5/32" x 10"	13-5/8"
TC2	7/32" x 1-3/4"	4-1/4"
TS4	7/32" x 4"	8-1/4"
TH6	5/16" x 6"	9-3/4"
TS7	7/32" x 7"	11-1/4"
TH8	5/16" x 8"	12-7/8"

Hold-E-Zee D17 Merchandiser

This popular attractive Display Stand is an ideal counter type merchandiser. It was created as an aid to dealer sales and contains the following fast selling Hold-E-Zee screw drivers

Front Panel—1 each RH2, TR4, TR6, TR8, TS4, TS7 and TH6. Back Panel stock consists of ten screw drivers—two each of RH2, TR4, TR6, TS4 and TS7.

Clutch Head Screw Drivers

Made of alloy steel carefully heat treated to withstand severe usage. Handles are of transparent, non-conducting composition.

No.	Clutch Size	Blade Length	Overall Length	Fits Screw Sizes
CL 3	5/32"	4"	7-3/4"	No. 6, No. 8, No. 10
CL 5	1/4"	6"	10-1/4"	No. 12, No. 14-1/4"
CL 7	5/16"	6"	10-1/2"	5/16" & 3/8"
CL 13	5/32"	1-5/8"	3-3/8"	No. 6, No. 8, No. 10
CL 15	1/4"	1-5/8"	3-3/8"	No. 12, No. 14, & 1/4"

The Finest That  Money Can Buy

GRAY-BONNEY HAMMERS AND BODY AND FENDER TOOLS



Ball Pein Hammers

Gray-Bonney No. 212 Series Ball Pein Hammers are drop forged from selected steel and carefully heat treated. The handles are of straight grain hickory, securely fastened in the head, with our special iron S wedge. The No. 212 Series have head, pein and sides polished, with the balance finished in black enamel.

No.	Weight	Replacement Handle No.
212	3 Lbs.	7
212A	2-1/2 "	6
212C	2 "	5
212E	1-1/2 "	4
212G	1 "	3
212H	3/4 "	3
212I	8 oz.	2
212J	6 "	2
212K	4 "	1



Soft Face Hammers

Gray - Bonney Soft Face Hammers are useful for fitting piston pins and similar jobs, and for body and fender work. The tips are of a tough, amber-colored composition material that will not mar a finely finished surface. New tip may be attached by turning the old one loose with a pipe wrench and pressing on the new tip. The hammer is properly balanced and the hickory handle is securely locked in the head.

No.	Weight
*PH18	1/4 lb.
PH15	1/2 lb.
PH20	1 lb.

*Supersedes PH17.

Extra Tips are available for all hammers. To order, simply specify number of hammer.



Multi-Head Hammer

This hammer is designed so that the changing of faces is a matter of seconds. The head is made of forged steel carefully machined, so that the heads are locked firmly in position. The hammer comes complete with five tips: Pyralin, copper, lead, rubber and composition.

- No. PH5M—Complete with tips.
- No. PHP—Extra Pyralin tip.
- No. PHR—extra rubber tip.
- No. PHB—Extra composition tip.
- No. PHL—Extra lead tip.
- No. PHC—Extra copper tip.



Light Bumping Hammer

No. PH23 — A light weight finishing hammer with head having polished faces and black body. Head, 4" long. Round face, 1-1/4" in diameter. Square face, 1-1/8" square. Overall length, 11-1/2". Weight, 9 ozs. Replacement Handle No. 3.



Dinging Hammer

No. PH24—A finishing hammer with faces crowned and polished; body of head finished in black. Head, 6" long. Large face, 1-5/8" diameter. Small face, 1-1/4" diameter. Overall length, 12". Weight, 13 ozs. Replacement Handle No. 3.



Bumping Hammer

No. PH22—This hammer has polished faces and black body. Head, 4-1/4" long. Round face, 1-1/4" in diameter. Square face, 1-1/4" square. Overall length, 12" Weight, 14 ozs. Replacement Handle No. 3.



Light Dinging Hammer

No. PH25 — A sturdily made, light weight finishing hammer. Head 6-1/2" long. Large face 1-1/4" square. Small face, 1-1/16" in diameter. Overall length, 11-1/2". Weight, 10 ozs. Replacement Handle No. 3.

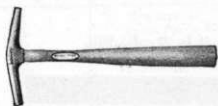
GRAY-BONNEY BODY AND FENDER TOOLS

Special Bumping Hammer



No. PH26 — The head is drop forged with bullet shaped end which makes it easy to remove small dents. Face of the head is polished with body finished in black. Strong hickory handle. Head, 4" long. Weight, 7 ozs.

Upholsterers' Magnetic Hammer



No. PH27—Head is polished all over and one end is magnetized. Head is 5-1/2" long. Overall length 12". Weight, 7 ozs.

Fender Bumper Mallet



No. PH30—Has rubber composition head which excels hickory for durability. It will not shatter, chip or split. Handle is of hickory. Head 2-1/2" in diameter, 4-1/2" long. Handle is 11-1/2" long. Weight 1-3/4 lbs.

Regular or Toe Dolly Block



No. F2—Drop forged of selected steel and full surface ground and polished. Length, 4-3/4". Width, 2-1/4". Thickness, 1-1/16". Weight, 2-1/2 lbs.

Heel Dolly Block



No. F3—Drop forged of steel most suitable for this type tool. Full surface ground and polished. Length, 2-1/2". Width, 3-1/8". Thickness, 1-1/2". Weight, 2-1/4 lbs.

Bar Dolly



No. F4—Drop forged steel and full surface ground and polished. Length, 4-1/4". Width, 2". Thickness, 1-1/2". Weight, 3 lbs.

Wedge Dolly Block



No. F5—Especially designed for work on turret tops. Drop forged of selected steel, with working surfaces highly polished. Length, 5". Width, 2-1/2". Weight, 2-1/2 lbs.

General Purpose Dolly Block



No. F6—Full surface ground and polished. Weight, 3 lbs. Drop forged steel.

Budd Dolly Block



No. F7—Drop forged of selected steel. Full surface ground and polished. Its curved surfaces are designed so that it will take care of any repair on a Budd body. Each block is carefully gauged after it is polished to insure correct radii of the curves. Weight, 3 lbs.

Small Hand Hold Dolly



No. F10—Working surfaces are ground and polished. Weight, 2-1/4 lbs.

GRAY-BONNEY BODY AND FENDER TOOLS

Large Hand Hold Dolly



No. F12—Working surfaces are ground and polished. Weight, 3-1/2 lbs.

Special Door Panel Spoon



No. F13—In addition to work on door panels, this spoon will be found handy for working on the quarterdeck of turret tops and between the headlining strainer and roof panels. It is also handy for work between the fender bracket and fender metal where a dolly block can't be used.

Blade is 2-1/4" wide, 5-1/2" long. Handle is 7/8" diameter. Weight 23 ozs.

Wide Body Spoon



No. F15—Blade ground and polished. Dimensions of blade: 2-1/16" wide, 5" long. Overall length, 10-1/2". Weight, 1 lb.

Panel Spoon



No. F16—Used in general body repair work and on turret tops. Forged of selected steel with polished working surfaces. Blade 2-1/4" wide, 6-1/4" long. Overall length, 11-1/4". Weight, 22 ozs.

Flat File Holder



No. F24—This inexpensive file holder for the regular 14" flat file has long proved very popular with body workers. It is light in weight, yet has the strength of a metal holder. The comfortably shaped hand grip and perfect balance give the operator perfect control, resulting in quick satisfactory work.

Flexible Body File



No. F25—The application of the milling cutter principle to body files has produced a file that will last longer and do better work. Each tooth is individually milled, and the U shaped groove provides maximum clearance allowing the ribbon like shavings to be cleared quickly and easily. The elimination of packing and loading is a feature of this new file, and the teeth will maintain their razor like sharpness several times as long as the old V tooth file. Overall length, 14".

File and Holder Set

Holder Supplied Free

No. F26—For the shop using the F25 14" file, this combination will prove to be excellent value. Six general purpose 14" files and a No. F24 Holder for the ordinary cost of the files.

Adjustable File Holder



No. F31—Can be used on 12" and 14" files. This holder is strongly made, yet is light and handy. Can be adjusted for curving the file either outward or inward.

GRAY-BONNEY BODY AND FENDER SETS

FB10 Set

Approx. Weight 38 lbs. Contains 10 Pieces

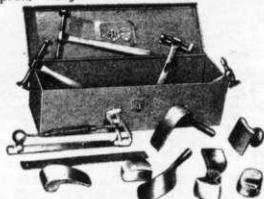


A compact set of body and fender tools suitable for taking care of the minor bumps which the average shop is called on to straighten out. Contains 10 pieces packed in an attractively finished metal case measuring 21" x 7" x 6".

No.	Description
F2	Regular or Toe Dolly Block
F3	Heel Dolly Block
F4	Bar Dolly
F6	General Purpose Dolly Block
F10	Small Hand Hold Dolly
F25	Flexible Body File
F31	Adjustable File Holder
PH22	Bumping Hammer
PH24	Dinging Hammer
PH26	Special Bumping Hammer

FB14 Set

Approx. Weight 45 lbs. Contains 14 Pieces



Contains 14 essential pieces for body and fender repair work. Packed in a strong, attractively finished metal box with removable tray, padlock hasp and carrying handle. The box is sufficiently large to take care of tools you may have on hand or wish to add later. It measures 21" x 7" x 6".

No.	Description
F2	Regular or Toe Dolly Block
F3	Heel Dolly Block
F4	Bar Dolly
F5	Wedge Dolly Block
F6	General Purpose Dolly Block
F12	Large Hand Hold Dolly
F13	Special Door Panel Spoon
F16	Panel Spoon
F25	Flexible Body File
F31	Adjustable File Holder
PH22	Bumping Hammer
PH24	Dinging Hammer
PH25	Light Dinging Hammer
PH26	Special Bumping Hammer

FB19 Set

Contains 19 Pieces

Approx. Weight 54 lbs.



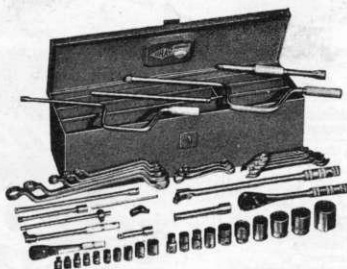
A complete set of fender hammers, dollies, spoons, files, etc., for the specialist in body and fender repair work. Each tool has been carefully selected so that any job can be done with speed and thoroughness. Packed in attractive metal chest with tote tray and strong padlock hasp. Chest size, 21" x 7-1/2" x 8-1/8".

No.	Description
F2	Regular or Toe Dolly Block
F3	Heel Dolly Block
F4	Bar Dolly
F5	Wedge Dolly Block
F6	General Purpose Dolly Block
F7	Budd Dolly Block
F10	Small Hand Hold Dolly
F12	Large Hand Hold Dolly
F13	Special Door Panel Spoon
F15	Wide Body Spoon
F16	Panel Spoon
F25	Flexible Body File
F31	Adjustable File Holder
PH22	Bumping Hammer
PH23	Light Bumping Hammer
PH24	Dinging Hammer
PH25	Light Dinging Hammer
PH26	Special Bumping Hammer
PH27	Upholsterers' Magnetic Hammer

GRAY-BONNEY BRITISH SIZE OPENINGS

Gray-Bonney Engineers' Wrenches, Socket Sets and Box Wrenches are available with B.S.F. and Whitworth size openings. The increasing use of cars, trucks, motorcycles and other mechanical devices of British origin make tools of this type a necessity. All are processed from the finest alloy steels, designed and finished to assure maximum user satisfaction.

WB 49
Combination
Set
"BRITISH SIZES"



49 Pieces
20 Double Hexagon Sockets
15 Handles and attachments
8 Box Wrenches
6 Engineers' Wrenches

This WB49 Set has been created to meet the requirements of mechanics responsible for the maintenance of cars, trucks and other mechanical equipment built to British specifications. It is a general purpose set, contained in a metal chest measuring 21" x 7" x 6".

Contains the following 49 Pieces:

3/8" Square Drive		
No.	Whitworth Bolt Size	
MW1	4BA	Double Hex. Socket
MW2	3BA	" "
MW3	2BA	" "
MW4	1/8"	" "
MW5	1BA	" "
MW6	0BA	" "
MW7	3/16"	" "
MW8	1/4"	" "
MW9	5/16"	" "
MW10	3/8"	" "
T3	Universal Joint	
T36	Sliding T Handle	
T5	11" Extension	
T4	6"	
T31	3"	
T9	Speed Handle	
T30	10" Flex Handle	
T32	Cross Bar	
T35	Reversible Ratchet	

1/2" Square Drive—Continued		
No.	Whitworth Bolt Size	
W159	7/16"	Double Hex. Opening
W160	1/2"	" "
W161	9/16"	" "
W162	5/8"	" "
W163	11/16"	" "
W164	3/4"	" "
718	5" Extension	
719A	10" Swivel Grip Extension	
653	15" Flex Handle	
655	Cross Bar	
686	19" Speeder	
4897	Reversible Ratchet	

Also included

Engineers' Wrenches.—Set of six wrenches as contained in WB6 on page 51.

Long Box Wrenches—Double Offset.—Set of five wrenches as contained in WB95 Set on page 51.

Short Box Wrenches—Double Offset.—Set of three wrenches, W176, W177, W178, as shown on page 51.

No. WB49 Set containing 49 pieces comes complete in steel chest as illustrated. Chest measures 21" x 7" x 6".

Also included

Engineers' Wrenches.—Set of six wrenches as contained in WB6 on page 51.

Long Box Wrenches—Double Offset.—Set of five wrenches as contained in WB95 Set on page 51.

Short Box Wrenches—Double Offset.—Set of three wrenches, W176, W177, W178, as shown on page 51.

No. WB49 Set containing 49 pieces comes complete in steel chest as illustrated. Chest measures 21" x 7" x 6".

GRAY-BONNEY BRITISH SIZE OPENINGS SOCKET WRENCHES

Gray-Bonney Sockets, Handles and Attachments used in British size sets are of the same high quality so characteristic of the entire Gray-Bonney line. The sockets are of the thin wall type and are forged from the finest alloy steel. All pieces are finished in lustrous chrome.

WB12 British Size Socket Set

1/2" Sq. Drive



This Spinner Set includes all sockets as contained in Set No. WB16 illustrated below. It also contains a 15" flexible handle No. 653 and Cross Bar No. 655.

WB312 British Size Socket Set

3/8" Sq. Drive



This handy little set contains all the sockets in the WB19 set illustrated below, together with the T30 flex handle and T32 cross bar. In steel box as illustrated.

WB16 British Size Socket Set

1/2" Sq. Drive



The sockets and handles in this set are all 1/2" square drive. The sockets are of the straight thin wall type, and range in size from 29/64" to 1-19/64" nominal openings. All parts are forged from high grade alloy steel and are attractively nickel plated.

This set in steel box (as illustrated) contains all the sockets and attachments listed below.

No.	Whitworth Bolt Size
W155	3/16" Double Hex. Socket
W156	1/4" " "
W157	5/16" " "
W158	3/8" " "
W159	7/16" " "
W160	1/2" " "
W161	9/16" " "
W162	5/8" " "
W163	11/16" " "
W164	3/4" " "
653	15" Spinner Handle
655	Cross Bar
686	19" Speeder
718	5" Extension
719A	10" Swivel Grip Extension
4897	Reversible Ratchet

WB19 British Size Socket Set

3/8" Sq. Drive



The sockets are extra thin with straight walls, and all handles are extremely light and easy to handle. The reversible ratchet with this set is of the highest quality, and can be used with 1/4" drive sockets by the use of a 1/4" drive connector. In steel box as illustrated.

The following sockets and handles are included:

No.	Whitworth Bolt Size
MW 1	4 BA Double Hex. Socket
MW 2	3 BA " "
MW 3	2 BA " "
MW 4	1 7/8" " "
MW 5	1 BA " "
MW 6	0 BA " "
MW 7	3/16" " "
MW 8	1/4" " "
MW 9	5/16" " "
MW10	3/8" " "
T3	Universal Joint
T36	Sliding T Handle
T5	11" Extension
T4	6" " "
T31	3" " "
T9	Speed Handle
T30	10" Flex Handle
T32	Cross Bar
T35	Reversible Ratchet

GRAY-BONNEY BRITISH SIZE SOCKET WRENCHES

Gray-Bonney Sockets and Wrenches for British sizes are manufactured with extreme care and precision. A complete set should be available in every shop to service the many types of British cars, trucks, aircraft and other popular equipment.

HDW14 British Size Socket Set 3/4" Sq. Drive

Packed in Strong Metal Carrying Case

A Heavy Duty Set designed to service Heavy Equipment

CONTENTS

No.	"B.S.W." Whitworth Bolt Size	No.	"B.S.W." Whitworth Bolt Size	No.	Attachments Description
WH160	1/2" Double Hexagon Socket	WH166	7/8" Double Hexagon Socket	86	Sliding T Handle
WH161	9/16" " " "	WH167	15/16" " " "	88	8" Extension
WH162	5/8" " " "	WH168	1" " " "	87	15-1/2" Extension
WH163	11/16" " " "			98	19" Ratchet
WH164	3/4" " " "			89	Ratchet Connector
WH165	13/16" " " "				

Sockets with British Size Openings

1/4" Sq. Drive

W153 Fits 1/4" BSF, 3/16" BSW
W154 Fits 2BA

3/8" Sq. Drive

Double Hexagon Type

No.	Nom. Open.	Whitworth	B.S.F.
MW 1	1/4"	4BA	
MW 2	9/32"	3BA	
MW 3	21/64"	2BA	
MW 4	11/32"	1 7/8"	
MW 5	23/64"	1BA	
MW 6	13/32"	0BA	
MW 7	29/64"	3/16"	1/4"
MW 8	17/32"	1/4"	5/16"
MW 9	39/64"	5/16"	3/8"
MW10	23/32"	3/8"	7/16"

1/2" Sq. Drive

Extra Deep Double Hexagon Type

No.	Nom. Open.	B.S.W.	B.S.F.
WL154	11/32"	1/8"	
WL155	29/64"	3/16"	1/4"
WL156	17/32"	1/4"	9/32" & 5/16"
WL157	39/64"	5/16"	3/8"
WL158	23/32"	3/8"	7/16"
WL159	23/64"	7/16"	1/2"
WL160	59/64"	1/2"	9/16"
WL161	1-1/64"	9/16"	5/8"
WL162	1-7/64"	5/8"	11/16"

Above sockets 3-1/4" overall length.

1/2" Sq. Drive

Double Hexagon Type

No.	Nom. Open.	B.S.W.	B.S.F.
W152	13/32"	O.B.A.	
W155	29/64"	3/16"	1/4"
W156	17/32"	1/4"	5/16"
W157	39/64"	5/16"	3/8"
W158	23/32"	3/8"	7/16"
W159	53/64"	7/16"	1/2"
W160	59/64"	1/2"	9/16"
W161	1-1/64"	9/16"	5/8"
W162	1-7/64"	5/8"	11/16"
W163	1-13/64"	11/16"	3/4"
W164	1-19/64"	3/4"	7/8"

3/4" Sq. Drive

Double Hexagon Type

No.	Nom. Open.	B.S.W.	B.S.F.
WH160	59/64"	1/2"	9/16"
WH161	1-1/64"	9/16"	5/8"
WH162	1-7/64"	5/8"	11/16"
WH163	1-13/64"	11/16"	3/4"
WH164	1-19/64"	3/4"	7/8"
WH165	1-25/64"	13/16"	15/16"
WH166	1-31/64"	7/8"	1"
WH167	1-37/64"	15/16"	
WH168	1-43/64"	1"	1-1/8"

GRAY-BONNEY BRITISH SIZE OPENINGS

British Size Open End Wrenches



Gray-Bonney Engineers Wrenches with British openings are correctly designed and combine lightness with strength and durability. They are drop forged from Chrome-Vanadium alloy steel, carefully heat treated and attractively plated, with buffed heads.

No.	Nominal Open.	B.S.W.	B.S.F.	Length
W775	11/32 & 29/64	1/8 & 3/16	1/4	5
W781	21/64 & 29/64	2BA & 3/16	1/4	5
W774	29/64 & 17/32	3/16 & 1/4	1/4 & 5/16	6-1/4
W782	17/32 & 39/64	1/4 & 5/16	5/16 & 3/8	7
W776	39/64 & 23/32	5/16 & 3/8	3/8 & 7/16	8
W783	23/32 & 53/64	3/8 & 7/16	7/16 & 1/2	8
W784	53/64 & 59/64	7/16 & 1/2	1/2 & 9/16	9
W793	59/64 & 1-1/64	1/2 & 9/16	9/16 & 5/8	10-3/4
W794	1-7/64 & 1-19/64	5/8 & 3/4	11/16 & 7/8	12
W795	1-1/64 & 1-7/64	9/16 & 5/8	5/8 & 11/16	10-3/4
W796	1-19/64 & 1-31/64	3/4 & 7/8	7/8 & 1	13-1/2
W797	1-31/64 & 1-43/64	7/8 & 1	1 & 1-1/8	15-1/2

British WB6LR Engineers' Wrench Set

This set includes wrenches to service most popular British sizes. Content includes W781, W782, W783, W784, W774 and W776. The size of milled openings may be determined by referring to chart above. Supplied in leatherette roll.

British Size Tappet Wrenches

No.	B.S.W.	B.S.F.
W122	1/8" x 3/16"	1/4"
W122A	3/16" x 1/4"	1/4" x 5/16"
W124	5/16" x 3/8"	3/8" x 7/16"

British No. W4T Tappet Set

This set includes two No. W122 and two No. W124 complete in leatherette roll.

British Size Ignition Wrenches

The WE Series Miniature Ignition Wrenches listed below are similar to the E series on page 24. They are drop forged from alloy steel, heat treated and chrome plated with polished heads.

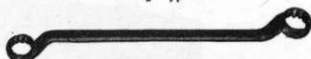
No.	Nominal Opening	Whitworth
WE01	13/32" & 23/64"	0BA & 1BA
WE10	23/64" & 13/32"	1BA & 0BA
WE23	21/64" & 9/32"	2BA & 3BA
WE32	9/32" & 21/64"	3BA & 2BA
WE45	1/4" & 7/32"	4BA & 5BA
WE54	7/32" & 1/4"	5BA & 4BA
WE67	3/16" & 11/64"	6BA & 7BA
WE76	11/64" & 3/16"	7BA & 6BA

British No. WE8 Ignition Set

The WE8 set contains one each of all WE series ignition wrenches listed above. Supplied in a leatherette roll.

British Size Box Wrenches

Long Type



This new series of Gray-Bonney Box Wrenches with British size openings should be in every tool kit. The usefulness of this type of wrench has long been appreciated by mechanics, and their ability to reach hard-to-get-at places is unequalled. The offset heads (with different opening at each end) and the cleanly broached 12 point openings make them ideal for practically every job. These wrenches are drop forged from Chrome-Vanadium alloy steel, and are light in weight, they will stand up under the most exacting conditions. They are attractively plated with polished heads and panels.

No.	Nom. Opening	Whitworth	B.S.F.
W70	21/64 x 13/32	2BA x 0BA	7/32
W71	11/32 x 29/64	1/8 x 3/16	1/4
W72	17/32 x 39/64	1/4 x 5/16	5/16 x 3/8
W73	39/64 x 23/32	5/16 x 3/8	3/8 x 7/16
W77	53/64 x 59/64	7/16 x 1/2	1/2 x 9/16
W79	1-1/64 x 1-7/64	9/16 x 5/8	5/8 x 11/16
W87	1-7/64 x 1-19/64	5/8 x 3/4	11/16 x 7/8
W89	1-31/64 x 1-43/64	7/8 x 1	1 x 1-1/8

British Box Wrench Sets—Long Type

The WB96 Set contains six wrenches W70 to W79, with a range of British sizes from 2BA to 5/8" Whitworth, and 7/32" to 11/16" B.S.F. The set comes complete in heavy fibre box.

WB95 Set contains five wrenches W71 to W79 inclusive, with openings from 1/8" to 5/8" Whitworth and 1/4" to 11/16" B.S.F. Packed in fibre box.

British Short Type Box Wrenches

Both Ends Offset

Different Opening in Each End



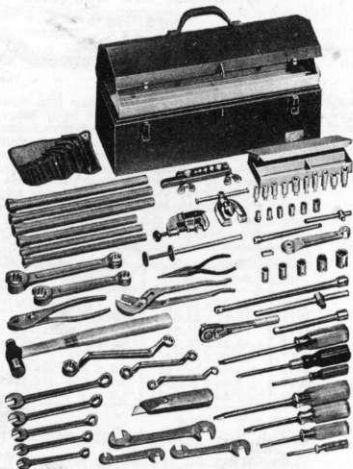
These handy short type box wrenches are ideal for getting into confined spaces. The heads are correctly offset with 12 point openings and plated.

No.	Nom. Opening	Whitworth	B.S.F.
W176	11/32 & 29/64	1/8 & 3/16	1/4
W176A	21/64 & 29/64	2BA & 3/16	1/4
W177	17/32 & 39/64	1/4 & 5/16	5/16 & 3/8
W178	39/64 & 23/32	5/16 & 3/8	3/8 & 7/16
W179	23/32 & 53/64	3/8 & 7/16	7/16 & 1/2

British W190 Box Wrench Set

The W190 Set is made up of one each of Nos. W176, W177, W178 and W179. Packed in cardboard box.

GRAY-BONNEY REFRIGERATION SOCKET WRENCH SET



RF85 Set — 73 Pieces

Weight 25 Lbs.

The **RF85 Set** is designed particularly for refrigeration mechanics and service men. It is a complete set and consists of special refrigeration tools, an assortment of sockets and attachments, combination wrenches and other necessary service tools.

Packed in metal tool box, the contents are as follows

No.	Description	No.	Description		
W11LR RF80	In leatherette roll. Page 25 In small metal box. Page 53		COMBINATION (TU- TYPE) WRENCHES	04	Round Shank, Composition Handle, 4" blade
	3/8" SQ. DRIVE SOCKETS AND ATTACHMENTS	3112	3/8" Openings	06	Round Shank, Composition Handle, 6" blade
T4	Extension, 6" long	3114	7/16" Openings	CP2	For Phillips Screws Nos. 5 to 9 inclusive
T5	Extension, 11" long	3116	1/2" Openings	CP3	For Phillips Screws Nos. 10 to 16 inclusive
T14	7/16" Double Hex. Socket	3118	9/16" Openings		MISCELLANEOUS
T16	1/2" Double Hex. Socket	3120	5/8" Openings	RF46	Flaring Tool for 1/4", 5/16", 3/8", 1/2", 5/8" tubing
T18	9/16" Double Hex. Socket		RIGHT ANGLE WRENCHES	RF54	Flare Nut Wrench, 3/4" & 1" openings
T20	5/8" Double Hex. Socket			RF55	Flare Nut Wrench, 7/8" & 1-1/8" openings
T22	11/16" Double Hex. Socket	2723	3/8" & 7/16" Openings	RF59	Tube Cutter for tubing from 1/8" to 1" O.D.
T35	Reversible Ratchet	2725B	1/2" & 9/16" Openings	K6	Handy Holding Tool, 6" reach
T36	Sliding "T" Handle.	2729RA	5/8" & 3/4" Openings	212-1	Ball Pein Hammer, 1/2 lb. Head
	DOUBLE OFFSET BOX WRENCHES		TUBE BENDERS	199	Shop Knife
2384	3/8" & 7/16" Short Type, Dble. Hex. Opening	RF60	For 1/4" tubing		
2386	1/2" & 9/16" Short Type, Dble. Hex. Opening	RF61	For 5/16" tubing		
2388	5/8" & 3/4" Short Type, Dble. Hex. Opening	RF62	For 3/8" tubing		
		RF63	For 7/16" tubing		
		RF64	For 1/2" tubing		
		RF65	For 5/8" tubing		

GRAY-BONNEY REFRIGERATION SOCKET SETS

In this RF81 Set will be found practically all of the Sockets and Attachments, including the popular RF22 Ratchet, that the refrigeration service man will need on all ordinary jobs. In addition three thin wall, double hexagon special Refrigeration Box Wrenches are included. All are packed in a steel box which measures 15-7/8" L x 3-3/8" W x 1-3/4" D.

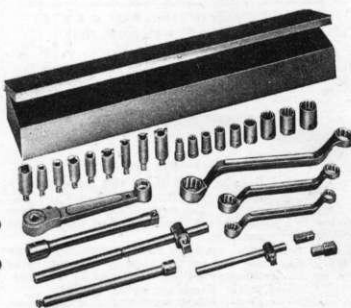
RF81 Set Content

No.	Description
V8	1/4" Hexagon Socket (1/4" Square Drive)
V9	9/32" Hexagon Socket (1/4" Square Drive)
V10	5/16" Double Hexagon Socket (1/4" Square Dr.)
V11	11/32" Double Hexagon Socket (1/4" Square Dr.)
V12	3/8" Double Hexagon Socket (1/4" Square Drive)
V14	7/16" Double Hexagon Socket (1/4" Square Dr.)
V17	Sliding "T" Handle, 4-1/2" long (1/4" Square Dr.)
V18	Extension 6" long (1/4" Square Drive)
T4	Extension, 6" long (3/8" Square Drive)
T16	1/2" Double Hexagon Socket (3/8" Square Drive)
T18	9/16" Double Hexagon Socket (3/8" Square Drive)
T20	5/8" Double Hexagon Socket (3/8" Square Drive)
T36	Sliding "T" Handle 8" long (3/8" Square Drive)
RF2	Valve Stem Socket (1/4" Male Drive)
RF3	Valve Stem Socket (1/4" Male Drive)
RF4	Valve Stem Socket (1/4" Male Drive)
RF5	Valve Stem Socket (1/4" Male Drive)
RF6	Packing Gland Nut Socket (1/4" Male Drive)
RF16	Packing Gland Nut Socket (1/4" Male Drive)
RF71	Packing Gland Nut Socket (1/4" Male Drive)
RF73	Packing Gland Nut Socket (1/4" Male Drive)
RF67	Kerotest Valve Packing Nut Socket (1/4" Male Dr)
RF49	1/4" x 1/4" Adaptor
RF41	1/4" x 3/8" Adaptor
RF22	Refrigeration Ratchet (1/4" Sq. Ratchet Opening)
2384	3/8" & 7/16" Double Hexagon Box Wrench
2386	1/2" & 9/16" Double Hexagon Box Wrench
2388	5/8" & 3/4" Double Hexagon Box Wrench

RF81 Set

Contains 28 Pieces

Weight 4 lbs. 9 ozs.



A new, up-to-the-minute, pocket size kit of Refrigerator Sockets and Ratchet for use on practically any repairs requiring tools of this type. All pieces are made of selected steels and heavily plated. One each of the following 20 pieces are packed in a sturdy metal box which measures 7 1/2" x 3 3/4" x 1 1/4".

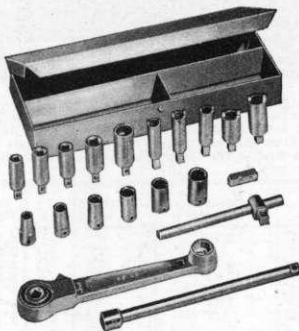
RF80 Set

Contains 20 Pieces

Weight 2 lbs. 2 ozs.

Content of RF80 Set

V8	1/4" Hexagon Socket (1/4" Square Drive)
V9	9/32" Hexagon Socket (1/4" Square Drive)
V10	5/16" Double Hexagon Socket (1/4" Sq. Dr.)
V11	11/32" Double Hexagon Socket (1/4" Sq. Dr.)
V12	3/8" Double Hexagon Socket (1/4" Sq. Dr.)
V14	7/16" Double Hexagon Socket (1/4" Sq. Dr.)
V17	Sliding "T" Handle, 4 1/2" long, (1/4" Sq. Dr.)
V18	Extension, 6" long (1/4" Square Drive)
RF2	Valve Stem Socket (1/4" Male Drive)
RF3	Valve Stem Socket (1/4" Male Drive)
RF4	Valve Stem Socket (1/4" Male Drive)
RF5	Valve Stem Socket (1/4" Male Drive)
RF6	Packing Gland Nut Socket (1/4" Male Drive)
RF16	Packing Gland Nut Socket (1/4" Male Drive)
RF71	Packing Gland Nut Socket (1/4" Male Drive)
RF72	Packing Gland Nut Socket (1/4" Male Drive)
RF73	Packing Gland Nut Socket (1/4" Male Drive)
RF67	Kerotest Valve Packing Nut Socket (1/4" Male Dr.)
RF49	1/4" x 1/4" Adaptor
RF22	Ratchet Handle (1/4" Sq. Ratchet Opening)



GRAY-BONNEY REFRIGERATION TOOLS

Flare Nut Wrenches



Open End—Box Type

These open end, box type wrenches have been designed especially for making flare nut adjustments. They are drop-forged of Bonaloy Steel, chromium plated with polished heads. They are long, thin and with panelled handles, permitting a firm, comfortable grip. Heads have double hexagon openings.

No.	Openings	S.A.E. Flare Size	Length
RF54A	3/4" & 7/8"	3/16", 1/4", 5/16" & 3/8"	8"
RF54	3/4" & 1"	3/16", 1/4", 5/16", 7/16" & 1/2"	8"
RF55A	7/8" & 1"	3/8", 7/16", 1/2"	9-1/2"
RF55	7/8" & 1-1/8"	3/8", 5/8"	9-1/2"



Open End—Box Type

Drop-forged of Bonaloy Steel these two wrenches are especially for copper tube fittings with 3/8", 7/16", 1/2" and 9/16" hexagon. The wrenches are fully chrome plated with polished heads, have panelled handles and double hexagon openings.

No. 2618 is designed specially for the removal of the copper tubing flare nut on the back of the expansion valve on all Kelvinator models previous to the hermetically sealed units. Heads are at 15° angles.

No.	Openings	Length
2612	3/8" & 1/2"	4-3/4"
2618	7/16" & 9/16"	5"

Spinner Wrenches



Designed especially for reaching small nuts that can be handled only with exceptionally small sockets. Made like a screw driver with a hexagon socket on the end that grips the nut firmly. Shanks and sockets have plated finish. The composition handles are fluted for a firm grip.

No.	Hexagon Opening	Overall Length	Drill Depth
CH06	3/16"	6"	2-1/4"
CH08	1/4"	6"	2-1/4"
CH10	5/16"	6"	2-1/4"
CH11	11/32"	6"	2-1/4"
CH12	3/8"	6"	2-1/4"
CH14	7/16"	7-1/8"	5"
CH16	1/2"	7-1/8"	5"

Reversible Ratchet No. RF45



This ratchet is primarily designed for refrigeration work. It has an easy action, is light in weight, has trim lines, is strong and can be instantly reversed by a touch of the thumb. The ratchet opening is 1/4" square, the openings in the handle are 3/16" and 1/4" square and 1/2" hexagon socket. The tool is drop forged and plated. Overall length 6".

Non-Reversible Ratchet



This type of ratchet, made with four different size ratchet openings, is forged of Bonaloy Steel with plated finish. The ratchet is fully enclosed to keep out all dust and dirt.

They are specially adapted to work on small refrigerant cylinders, shut-off and reducing valves, compressors, motors, etc.

No.	Ratchet Opening Square	Handle Openings Square	Handle Opening Hexagon	Length
RF21	3/16"	3/16" & 1/4"	1/2"	6"
RF22	1/4"	3/16" & 1/4"	1/2"	6"
RF23	5/16"	3/16" & 5/16"	1/2"	6"
RF25	3/8"	3/16" & 1/4"	1/2"	6"

Socket Wrench for Fedders Needle Seat Assembly



This "T" handle socket wrench is drop-forged of selected steel, carefully heat-treated and has plated finish. It is designed especially for inserting and removing Fedders cartridge type needle seat assembly. Has single hexagon opening.

No.	Opening	Diameter of Head	Length
RF 57	7/16"	19/32"	4-7/8"

GRAY-BONNEY REFRIGERATION TOOLS

"S" Type Flare Nut Wrenches



These wrenches are for those who prefer the open end to the box type wrench in making flare nut adjustments. They are drop-forged of selected steel, carefully heat-treated and have plated finish.

No.	Openings	S.A.E. Flare Size	Length
72A	3/4" & 1"	3/16", 1/4", 5/16" & 7/16", 1/2"	5-1/2"
73A	7/8" & 1-1/8"	3/8" & 5/8"	6-1/8"

Switch Adjusting Wrench



Forged of Bonaloy Steel with plated finish, this wrench is designed especially for switch adjustments on the "W" line of Frigidaire cabinet up to and including 1933. This wrench is exceptionally thin for working in close quarters and has panelled handle. Openings are at 15° angle.

No.	Openings	Length	Thickness of Head
H18S	7/16" & 9/16"	4"	1/8"

Open End Wrench for Superior Packless Valve



A single head service wrench forged of Bonaloy Steel, chrome-plated and with polished head designed especially to fit the hexagon on the auxiliary body of the Superior Diaphragm Packless Valve.

No.	Opening	Length	Thickness of Head
1964	2"	12-1/4"	5/16"

Right Angle Wrenches



Openings in the most necessary sizes for refrigeration service work. Drop-forged of Bonaloy Steel, fully chrome-plated and with polished heads.

No.	Size Openings	Length	Thickness of Heads
2723	3/8" & 7/16"	4-1/4"	7/32"
2725B	1/2" & 9/16"	5-1/2"	15/64"
2729RA	5/8" & 3/4"	7-1/2"	5/16"

Packing Gland Nut Sockets

"T" Handle Type Not guaranteed

No.	Prong Depth	Prong Width	Inside Diameter	Outside Diameter	Overall Length
RF17	1/4"	3/8"	21/64"	15/64"	2"
RF18	3/8"	1/2"	21/64"	9/64"	2"

1/4" Male Drive

Designed for use with No. RF22 and No. RF45 ratchets or any ratchet handle having 1/4" opening. Not guaranteed.

No.	Prong Depth	Prong Width	Inside Diameter	Outside Diameter	Overall Length
RF6	1/4"	1/8"	3/8"	5/8"	13/16"
RF16	3/8"	1/4"	11/16"	1 1/2"	1 1/2"
RF71	1/2"	1/2"	1 1/4"	1 3/4"	1 3/4"
RF72	1/2"	1/2"	21/16"	1 1/2"	1 1/2"
RF73	1/2"	1/2"	3/8"	2 3/8"	1 1/2"

Valve Stem Sockets

"T" Handle Type

No.	Size Square Opening	Outside Diameter		Length
		Nose	Shank	
RF10	3/16"	27/64"	1/4"	1 1/8"
RF11	1/8"	1/4"	1/8"	1 1/8"
RF12	1/4"	1/2"	1/4"	1 1/8"
RF13	5/16"	9/16"	5/16"	1 1/8"
RF14	3/8"	5/8"	3/8"	1 1/8"

1/4" Male Drive

For use with any ratchet handle having 1/4" opening and Gray-Bonney ratchets Nos. RF22, and RF45.

No.	Size Square Opening	Outside Diameter		Length
		Nose	Shank	
RF2	3/16"	27/64"	1/4"	1 3/8"
RF5	1/8"	1/4"	1/8"	1 3/8"
RF3	1/4"	1/2"	1/4"	1 3/8"
RF4	5/16"	9/16"	5/16"	1 3/8"

Kerotest Valve Packing Nut Socket

1/4" Male Drive

These sockets have been specially designed for repairs and adjustments on Kerotest valves.

No.	Obround Opening		Outside Diameter	Length
	Length	Width		
RF67	1/2"	3/8"	5/8"	1 3/8"

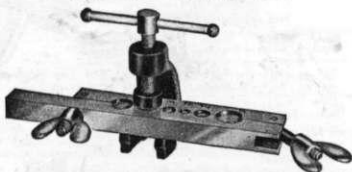
Ratchet Plug Adaptors

For use with Nos. RF22 and RF45 ratchets, made of Bonaloy Steel, heat-treated and plated.

No.	Plug End	Drive End
RF49	1/4"	1/4"
RF40	1/4"	9/32"
RF41	1/4"	3/8"

GRAY-BONNEY MISCELLANEOUS TOOLS

No. RF46 Flaring Tool



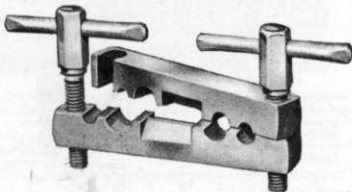
A simple, fast, efficient tool for quickly and accurately flaring copper and other tubing having 3/16", 1/4", 5/16", 3/8", 1/2" and 5/8" O.D. Oversize wing nuts securely lock tubing in holes threaded to prevent slipping. Open side flaring yoke attaches instantly to flaring bars. The flaring head is of the self-centering type, assuring easy, perfect flaring. A fine tool, reasonably priced for working in close quarters on gas lines, etc. Net weight 2-1/4 lbs.

No. RF59 Tube Cutter



A compact, efficient tube cutter for all tubing from 1/8" to 1" O.D. Body is an alloy die casting. Wafer-tapered, hardened cutting blade makes cutting easy and with practically no burr. The slide-lock safety reamer opens instantly and protects the hands when not in use. It may be safely carried in your pocket. Net weight 1/2 lb.

No. RF47 Pinch-Off Tool



The primary use of this tool is in refrigeration service work and is used to pinch off refrigeration tubing as well as restoring the tubing to correct shape and diameter after the service work has been completed.

The outstanding feature of this handy tool is the quick-operating freeing and locking action. This tool is made for use with 1/4, 5/16, 3/8 and 1/2 inch tubing.

Tube Benders

External Type



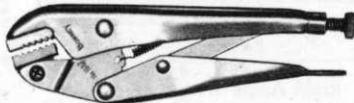
Ideal for bending copper and other tubing by hand to any desired shape without collapsing the tube. Made of special, oil-hardened spring steel, cadmium plated. The belled end assures ease in removing the tubing after the bend has been made.

No.	For Size Tubing
RF60	1/4"
RF61	5/16"
RF62	3/8"
RF63	7/16"
RF64	1/2"
RF65	5/8"

No. RF66 Tube Bender Set

Every service man should have a complete set of tube benders in his kit. The set consists of one each of the above sizes.

Snap-Lock Plier-Wrench



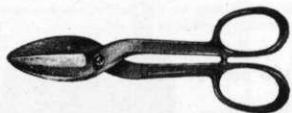
Locks onto work—Holds on after you let go. Grips better because of patented swivel jaw that adapts itself to shape of piece to be held. Affords firm grip on short ends. Removes stubborn stubs and then re-sets them. Ideal for clamping pattern to work when scribing. Provides secure grip for small objects in drill press. Heavy gauge pressed steel with extra strength where stress requires. Replaceable jaw of hardened tool steel. Bright nickel handles with non-slip scoring.

No. 1607	7" size	Wt. 14 lbs. per doz.
No. 1610	10" size	Wt. 9 lbs. per doz.

GRAY-BONNEY MISCELLANEOUS TOOLS

Snips

Straight Pattern

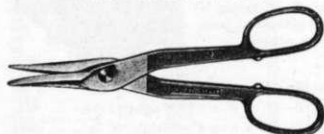


These snips are of excellent quality. They are made from a one-piece drop forging, precision ground and hand polished. The cutting edges are keen and will give long and satisfactory service.

No.	Length	Cut
507	7"	2"
510	10"	2-3/4"
512	12"	3-1/4"

Snips

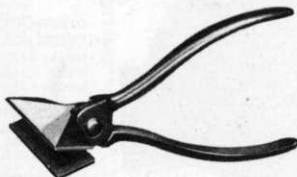
Combination Circle Pattern



The combination circle pattern snip is an all-purpose snip. It will cut either right or left-hand direction. This extra slim snip is ideal for garage mechanics, as well as metal workers.

707	7"	1-7/8"
710	10"	2-3/4"
712	12"	3-1/8"

No. 535 Hand Seamers



An excellent tool for hand seaming. Overall length 8", working surfaces 1" x 3-1/2". Fully heat treated. Weight 1 lb.

No. 2628 Adjustable Hack Saw Frame



A sturdily built hack saw frame with comfortable hard rubber pistol grip handle. Adjustable from 8" to 12". Full nickel finish.

High Speed Steel Hack Saw Blades

These HIGH SPEED blades are made from the finest steel obtainable, and will give the utmost in service under the most exacting conditions. Due to careful heat-treating they are extremely flexible, thus ensuring long life and protection against breakage.

No.	Width	Length	Gauge	Teeth per inch
HS1018	9/16"	10"	.025	18
HS1024	9/16"	10"	.025	24
HS1032	9/16"	10"	.025	32
HS1218	9/16"	12"	.025	18
HS1224	9/16"	12"	.025	24
HS1232	9/16"	12"	.025	32

Tungsten Alloy Steel Hack Saw Blades

An excellent alloy steel blade that will give good service under all conditions.

No.	Width	Length	Gauge	Teeth per inch
TA1018	1/2"	10"	.025	18
TA1024	1/2"	10"	.025	24
TA1032	1/2"	10"	.025	32
TA1218	1/2"	12"	.025	18
TA1224	1/2"	12"	.025	24
TA1232	1/2"	12"	.025	32

GRAY-BONNEY TOOL BOXES



SB Box

The No. SB tool box is built to give you a big tool box at low cost. Heavy gauge steel with spot welded construction and with the convenience of a separate tote tray. This is real box value and large enough to hold the average mechanic's hand tool kit. Furnished with large carrying handle, padlock hasp, and finished in blue baked enamel. Measures inside: 21" x 7-1/2" x 8-1/8".



80B Box

This job box is for the junior mechanic or apprentice who is beginning to build up his set. It is a little smaller than the No. SB, but is built of the same heavy gauge steel and spot welded construction. Equipped with lift out socket tray, strong carrying handle, padlock hasp. Finished in blue baked enamel. Measures inside 21" x 7" x 6".

Mechanics' Tool Boxes

Steel boxes as used in socket sets make excellent tool chests. Their sturdy steel construction makes them ideal for automotive mechanics, millwrights and plant engineers. Listed below is a complete assortment of boxes of this type. All are finished in attractive baked enamel.

No.	Length	Width	Depth
80B	21"	7"	6"
82B	22-1/2"	7"	6"
461B	20-1/4"	6-1/2"	3-5/8"
1400B	15-7/8"	3-3/8"	1-11/16"
TG20B	17-1/4"	5"	1-3/4"
SB	21"	7-1/2"	8-1/8"

Duplex Tool Boxes

The Gray-Bonney Duplex "all steel" tool boxes have rugged construction and ample strength, yet by a slight pressure on the handle, the box opens and the tools are ready to lift out.

No. 100 Series

High quality boxes, having two trays on each side of handle. Three sizes available.



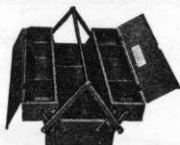
No. 114B—14" x 8" x 7-3/4"—Weight 9 lbs.

No. 119B—19" x 8" x 7-3/4"—Weight 17-1/2 lbs.

No. 121B—21" x 8" x 7-3/4"—Weight 20 lbs.

No. 500 Series

Specially designed for the mechanic having a limited amount of tools to carry around.



No. 514B—14" x 8" x 6"—Weight 7 lbs.

No. 517B—17" x 8" x 7"—Weight 11 lbs.

No. 521B—21" x 8" x 6"—Weight 16 lbs.

New Model MB82 Chest Mounted on CC Roller Cabinet

Safeguards Tool Investment
Rolls Right Up to the Job

Reflects efficiency and promotes Customer Confidence!



DIMENSIONS

CHEST ONLY

Height - 14 1/4"
Width - 13 1/4"
Length - 26 1/2"

COMPLETE

Height - 40 1/4"
Width - 13 1/4"
Length - 26 1/2"

WEIGHT

Roller Cabinet
Complete (less tools and crate)
92 lbs.

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258	40	1205	24	2804C	23	C3	35	F12	45
270LR	22	1207	24	2804D	23	C4	35	F13	45
276	22	1209	24	2805L	23	C5	35	F15	46
277	22	1238	24	2807	23	C6	35	F16	46
278	22	1258	24	2807A	23	C7	35	F18	46
279	22	1258B	39	2808	23	C10	35	F25	46
308	39	1400B	58	2809	23	C11	35	F26	46
403	8	1406	7	2809B	23	C13	35	F31	46
405	7	1407	7	2810	23	C14	35	F37	46
407	7	1408	7	2811	23	C15	35	FB14	47
408	7	1409	7	2811B	23	C16	35	FB19	47
409	7	1410	7	2811C	23	C18	35	FB18	47
410	7	1411	7	2812	23	C19	35	GA6	25
411	7	1412	7	2812A	23	C21	35	GA8	25
412	7	1413	7	2812B	23	C22	35	GA10	25
413	7	1414	7	2812C	23	C23	35	GA12	25
414	7	1415	7	2812E	23	C25	35	GA15	25
415	7	1416	7	2813	23	C26	35	GA16	25
426	24	1421	7	2813A	23	C28	35	H10	21
428	24	1425	7	2815	23	C29	35	H12	21
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TORQUE CHART

IT IS JUST AS EASY TO USE A TORQUE WRENCH AS ANY SOCKET HANDLE

MANUFACTURERS' RECOMMENDATIONS FOR PROPER TORQUES

Footpounds of torque for threads clean and dry. If threads are cleaned and oiled, applied torques should be reduced about 10%.

MAKE	MODEL	YEAR	CYLINDER HEADS		MOTOR BEARINGS		FLYWHEEL TO CRANK-SHAFT	MANIFOLDS		SPARK PLUGS	
			Cast Iron		Connecting Rods	Main Bearings		Intake	Exhaust	Water	Size
Buick	40-54	1942-46	65-70		45-50	120-130	45-55	25-30	25-30	25-30	22-28 14MM
"	60-70-90	1942-46	65-70		60-65	120-130	45-55	25-30	25-30	25-30	22-28 14MM
"	40-50	1947-49	65-70		40-45	90-100	35-40	25-30	25-30	25-30	22-28 14MM
"	70	1947-49	65-70		60-65	90-100	45-50	25-30	25-30	25-30	22-28 14MM
Cadillac	All	1942-48	70-75		50-60	140-150	65-70	25-30	25-30	7-10	10MM
"	All	1946	70-75		60-65	130-140	Std. 65-70 Hyd. 70-75	25-30	25-30	15-18	7-10 10MM
"	All	1947-48	70-75		60-65	130-140	Std. 65-70 Hyd. 70-75	25-30	25-30	15-18	7-10 10MM
"	All	1949	65-70		40-45	90-100	Std. 65-70 Hyd. 70-75	25-30	25-30	15-18	7-10 10MM
Chevrolet	All	1940-49	70-80		*40-50	*100-110	*50-55				
"	Trucks, 1/2, 3/4, 2 Ton	1940-49	70-80		*40-50	*100-110	*50-55				
Chrysler	All	1938-49	Nut 55-60 Cap. 55-70		3/8 45-50 7/16 50-75	Nut 75-80 Cap. 80-85	55-65	15-20	15-20	25-30	30-32 14MM
DeSoto	All	1939-49	Nut 55-60 Cap. 55-70		3/8 45-50 7/16 50-75	Nut 75-80 Cap. 80-85	55-65	15-20	15-20	25-30	30-32 14MM
Dodge	All Cars	1939-49	Nut 52-57 Cap. 53-70		3/8 45-50 7/16 50-75	Nut 80-85 Cap. 85-90	55-60	15-20	15-20	25-30	30-32 14MM
"	All Trucks	1939-48	Nut 52-57 Cap. 53-70		3/8 45-50 7/16 50-75	Nut 80-85 Cap. 85-90	55-60	15-20	15-20	25-30	30-32 14MM
"	Trucks	1949	55-60		50-75	85-90	55-60	25-30	25-30	30-35	30-32 14MM
"	B-J-R, B-L-V, B-L-V		55-60		50-75	85-90	55-60	25-30	25-30	30-35	30-32 14MM
Ford	8 Cyl.	All to 1949	65-70		45-50	80-90 95-105	75-85	23-28	23-28	23-28	24-28 14MM
"	All 8 Cyl., 145 H.P.	1949	Nut 60-68 Cap. 63-70		82-60	120-130	75-85	23-28	23-28	23-28	24-28 14MM
"	Ferguson-Ford Farm Tractor		65-70		45-50	105-105	75-85	23-28	23-28	23-28	24-28 14MM
Hudson	6 & 8 Cyl. before 1940		45		52	92		15-20	20-30	15-20	27.5 14MM
"	All 1942-46		Aluminum 45							Aluminum 22-28	
"	8 Cyl.	1940	6 Cyl. 40 8 Cyl. 60		40-45	55-75	40-50	15-20	20-30	15-20	25-30 14MM
"	All 1946-49		6 Cyl. 70-75 8 Cyl. 45-50		40-45	70-80	40-45	12-15 15-20	20-30	15-20	20-25 14MM
Kaiser-Frazer	1947-49		30-35		40-45	55-55	38-40	30-35	30-35	30-35	20-30 14MM
Lincoln-Line, Zephyr	All to 1946		45-50		40-45	60-70	45-55	30-38	30-38	28-32	14MM
Lincoln	All to 1949		Aluminum 35-40							Aluminum 24-28	
Lincoln	All to 1949		Nut 50-55 Cap. 53-55		52-60	120-130	75-85	23-28	23-28	23-28	24-28 14MM
Mercury	All to 1949		65-70		45-50	80-90	75-85	23-28	23-28	23-28	24-28 14MM
Nash	"L" Head 6										
"	All 1942-50		57-60		27-30	60-70	52-58				
"	Over Hd.—All 6—1942-50		65-70		52-56	60-70	60-100			25-30	14MM
Oldsmobile	6 & 8 Cyl.—1941-47				50-55	Front & Int.—100	Std. 65-60				
"	6 Cyl.—1948-49				45-50	Rear Brg.—140	Hydra. 60	11-14	22-26	22-26	28-35 14MM
"	8 Cyl.—1948		60-70		45-50	Front & Int.—100	Std. 85-85	22-26	22-26	22-26	28-35 14MM
"	8 Cyl.—1949		60-70		45-50	Rear Brg.—140	Hydra. 95	25-30	25-30	25-30	150
Packard	6 & 8 Cyl.—1942-46		60-62		45-46	65-65	65-70	25-30	25-30	25-30	150
"	Super 6—1942-46		60-62		45-46	65-65	65-70	25-30	25-30	25-30	150
"	All Models—1946-48		7/16 20-30 60-62		7/16 23-40 60-65 3/8 24-46 60-65	Cap. 5 1/2-13 1/2 20-70 80	7/16 20-30 60-65 3/8 24-46 60-65	25-30	25-30	25-30	10-14 10MM
Plymouth	All 1939-49		Nut 52-57 Cap. 53-70		80-75	80-85	55-60	15-20	15-20	25-30	30-32 14MM
Pontiac	All before 1946		60		45	85	6 Cyl.—105 8 Cyl.—70			25-30	14MM
"	All 1946-48		60		45	85	95			25-30	14MM
"	All 1949		60		45	Front & Int.—95 Rear Brg.—120	105			25-30	14MM
Studebaker President & Commander	1941-47		80-85		52-54	88-93				33-42	16MM
"	Champion—1942-49				28-32	88-93	33-35	25-30	25-30	25-30	25-30 14MM
"	Truck MS, M15, M15A		46-50		52-54	88-93	33-35	25-30	25-30	25-30	25-30 14MM
"	Cmdr. & Land Cruiser, 1947-49		80-85		52-54	88-93	33-35	25-30	25-30	25-30	25-30 14MM
"	Truck M16—1941-47		80-85		52-54	88-93	33-35	25-30	25-30	25-30	25-30 14MM
"	Truck 14A, 15A, 16A—'49		46-50		28-32	88-93	33-35	25-30	25-30	25-30	25-30 14MM
"	Truck 2R5, 2R10, 2R15—1949		46-50		28-32	88-93	33-35	25-30	25-30	25-30	25-30 14MM
"	Truck 2R16, 2R17—1949		80-85		52-54	88-93	33-35	25-30	25-30	25-30	25-30 14MM
Willys	All to 1949		Nut 60-65 Cap. 63-75		50-59	65-70	36-40	31-35	31-35	20-25	25-30 14MM

Rockner-arm Shaft Bolts—Buick 30-35. Chevrolet—25-30. Nash—15-20. *Threads Oiled.

Lock Pounds, 3/8 Bolt and Lockwasher. *Self-Locking Bolt.

Torque requirements are given in both foot pounds and inch pounds—one foot pound is the same as twelve inch pounds. TORQUE and TENSION are distinctively different and must not be confused. Torque is twist, the standard unit of measure being foot pounds; tension is straight pull, the unit of measure being pounds. Wrenches designed for measuring the tightness of a nut are distinctively Torque wrenches and not tension wrenches.



CHART OF WRENCH AND SOCKET OPENINGS AND SIZES OF BOLTS AND NUTS THEY FIT

Wrench Opening	American Standard Reg. Bolts	American Standard Reg. Nuts; Size Bolts	Amer. Std. Heavy Nuts (U.S.S.); Size Bolts	Amer. Std. Light Nuts (S.A.E.); Jam Nuts, Castle Nuts and Slotted Nuts; Size Bolts	Cap Screws	Set Screws	Machine Screw Nuts and Stove Bolt Nuts	Wrench Opening
5/32							No. 0 & No. 1	5/32
3/16							No. 2 & No. 3	3/16
1/4						1/4	No. 4	1/4
5/16						5/16	No. 5 & No. 6	5/16
11/32							No. 8	11/32
3/8	1/4					3/8	No. 10	3/8
7/16		1/4		1/4	1/4	7/16	No. 12 & No. 14	7/16
1/2	5/16		1/4	5/16	5/16	1/2		1/2
9/16	3/8	5/16		3/8	3/8	9/16		9/16
19/32			5/16					19/32
5/8	7/16	3/8		7/16	7/16	5/8	3/8	5/8
11/16			3/8					11/16
3/4	1/2	7/16		1/2	1/2	3/4		3/4
25/32			7/16					25-32
13/16		1/2			9/16			13/16
7/8	9/16	9/16	1/2	9/16	5/8	7/8		7/8
15/16	5/8		9/16	5/8				15/16
1		5/8			3/4	1		1
1-1/16			5/8	3/4				1-1/16
1-1/8	3/4	3/4			7/8	1-1/8		1-1/8
1-1/4			3/4	7/8		1-1/4		1-1/4
1-5/16	7/8	7/8			1			1-5/16
1-3/8						1-3/8		1-3/8
1-7/16			7/8	1				1-7/16
1-1/2	1	1			1-1/8	1-1/2		1-1/2
1-5/8			1	1-1/8				1-5/8
1-11/16	1-1/8	1-1/8		1-1/4	1-1/4			1-11/16
1-13/16			1-1/8					1-13/16
1-7/8	1-1/4	1-1/4		1-3/8				1-7/8
2			1-1/4					2
2-1/16	1-3/8	1-3/8		1-1/2				2-1/16
2-3/16			1-3/8					2-3/16
2-1/4	1-1/2	1-1/2						2-1/4
2-3/8			1-1/2					2-3/8
2-7/16	1-5/8	1-5/8						2-7/16
2-9/16			1-5/8					2-9/16
2-5/8	1-3/4	1-3/4						2-5/8
2-3/4			1-3/4					2-3/4
2-13/16	1-7/8	1-7/8						2-13/16
2-15/16			1-7/8					2-15/16
3	2	2						3
3-1/8			2					3-1/8
3-3/8	2-1/4	2-1/4						
3-1/2			2-1/4					
3-3/4	2-1/2	2-1/2						
3-7/8			2-1/2					
4-1/8	2-3/4	2-3/4						
4-1/4			2-3/4					
4-1/2	3	3						
4-5/8			3					
5			3-1/4					
5-3/8			3-1/2					
5-3/4			3-3/4					
6-1/8			4					

The Finest That Money Can Buy



GRAY-BONNEY AUTOMOTIVE HAND TOOLS

Numerical and Alphabetical Price List PLA-1

Applying to Catalogue No. 51 also previous Catalogues Nos. 50, 550, 49 and 48.

Supersedes Issue Dated Dec. 30, 1950
Effective April 27, 1951.

Tool	List	Net	Tool	List	Net	Tool	List	Net	Tool	List	Net
00A	.35	.30	212C	3.15	2.40	718	2.40	1.85	1421	1.40	1.10
001	.45	.35	212E	2.70	2.10	718S	2.00	1.55	1425	1.40	1.10
003	1.40	1.10	212G	2.30	1.80	719	2.80	2.15	1431	1.80	1.40
006	1.55	1.20	212H	2.10	1.60	719A	3.40	2.60	1432	1.80	1.40
0010	1.75	1.35	212I	2.00	1.55	720	3.60	2.75	1433	2.00	1.55
04	1.60	1.25	212J	2.00	1.55	827	26.00	18.90	1434	2.20	1.70
06	2.10	1.60	212K	2.00	1.55	827H	2.80	2.15	1435	2.20	1.70
08	2.65	2.05	215	3.80	2.95	827L	3.40	2.60	1436	2.40	1.85
012	3.75	2.90	223	4.20	3.20	827V	4.80	3.65	1497	10.40	7.55
0669	.90	.70	224	4.80	3.65	839	1.20	.90	1607(VG7)	3.20	2.45
0671	1.10	.85	258	3.60	2.75	840	.80	.60	1610(VG10)	3.80	2.95
0672	3.90	3.00	270LR	9.70	7.45	842	2.40	1.85	1721	1.20	.90
0673	1.30	1.00	276	1.90	1.45	1000	4.40	3.35	1722	1.20	.90
4T	7.60	5.80	277	2.10	1.60	1001	13.80	10.05	1723	1.20	.90
6ECB	13.05	9.50	278	2.30	1.80	1002	24.00	17.45	1723A	1.20	.90
6ELR	14.25	10.35	279	2.60	2.00	1003	38.00	27.55	1725	1.45	1.10
6T	11.40	8.30	308	4.00	3.05	1019	1.00	.75	1725A	1.45	1.10
8ALR	21.05	15.30	309	11.60	8.45	1020	1.00	.75	1725B	1.45	1.10
10ECB	20.30	14.75	403	.90	.70	1021	1.20	.90	1726	1.80	1.40
10ELR	22.50	16.35	405	1.80	1.40	1022	1.20	.90	1727	1.80	1.40
12ALR	30.15	21.90	407	1.20	.90	1023	1.20	.90	1728	2.20	1.70
15	16.50	12.00	408	1.20	.90	1024	1.45	1.10	1729	2.20	1.70
16	13.60	9.90	409	1.20	.90	1025	1.45	1.10	1730	2.20	1.70
17	10.50	7.85	410	1.20	.90	1026	1.80	1.40	1731	2.80	2.15
20LR	10.50	7.85	411	1.40	1.10	1027	1.80	1.40	1731A	2.80	2.15
21LR	7.90	6.05	412	1.40	1.10	1027C	1.80	1.40	1731B	2.80	2.15
29UJ	4.80	3.65	413	1.60	1.25	1027S	1.80	1.40	1732	2.80	2.15
33UJ	4.80	3.65	414	1.80	1.40	1028	2.20	1.70	1732A	2.80	2.15
37UJ	5.00	3.85	415	1.80	1.40	1028S	2.20	1.70	1733	3.60	2.75
39	5.40	4.15	426	2.60	2.00	1029	2.20	1.70	1734	3.60	2.75
41-4	3.90	3.00	428	3.00	2.30	1030	2.20	1.70	1735	3.60	2.75
41UJ	5.00	3.85	461B	5.00	3.85	1031	2.80	2.15	1736	4.60	3.50
45UJ	5.20	4.00	499	1.40	1.10	1032	2.80	2.15	1737	4.60	3.50
49UJ	5.60	4.30	507	3.60	2.75	1033	2.80	2.15	1738	7.80	5.95
51	17.00	12.35	510	4.60	3.50	1033A	2.80	2.15	1739	7.80	5.95
70	7.00	5.40	512	5.40	4.15	1033C	3.60	2.75	1739A	7.80	5.95
72A	1.80	1.40	513	4.80	3.65	1034	3.60	2.75	1739B	7.80	5.95
73A	2.40	1.85	514B	11.00	8.00	1034A	3.60	2.75	1964	7.60	5.80
80B	10.60	7.70	517	2.80	2.15	1035	3.60	2.75	2307LR	17.80	12.95
82B	6.00	4.60	517B	15.40	11.20	1037	4.60	3.50	2311LR	26.30	19.10
86	6.40	4.90	521B	17.60	12.80	1037A	4.60	3.50	2316	1.80	1.40
87	6.00	4.60	522	3.00	2.30	1038A	7.80	5.95	2318	2.00	1.55
88	5.20	4.00	523	3.80	2.95	1039	7.80	5.95	2319	2.20	1.70
88S	4.40	3.35	524	3.00	2.30	1041	12.00	8.70	2320	2.20	1.70
89	1.60	1.25	525	5.00	3.80	1203	2.40	1.85	2322	2.40	1.85
98	17.60	12.80	526	2.80	2.15	1205	2.40	1.85	2324	2.40	1.85
114B	17.60	12.80	530	4.50	3.45	1207	2.40	1.85	2326	2.70	2.10
119B	23.00	16.70	531	1.80	1.40	1209	3.20	2.45	2328	2.90	2.25
121B	24.00	17.45	535	6.20	4.75	1238	3.60	2.45	2337D	2.60	2.00
122	1.60	1.25	603	7.20	5.50	1258	2.60	2.00	2384	1.50	1.15
122A	1.60	1.25	652	6.60	5.05	1258B	1.40	1.10	2386	1.80	1.40
122B	1.60	1.25	653	7.20	5.50	1400B	2.80	2.15	2387	2.00	1.55
124	1.80	1.40	653L	7.60	5.80	1406	1.20	.90	2388	2.20	1.70
124A	1.80	1.40	654	5.20	4.00	1407	1.20	.90	2407	1.20	.90
124B	1.80	1.40	655	.80	.60	1408	1.20	.90	2408	1.20	.90
125	2.25	1.70	685	4.00	3.05	1409	1.20	.90	2409	1.20	.90
127	2.55	1.95	686	3.60	2.75	1410	1.20	.90	2410	1.20	.90
129	2.65	2.05	687	3.20	2.45	1411	1.40	1.10	2411	1.40	1.10
199	2.60	2.00	699	3.20	2.45	1412	1.40	1.10	2412	1.40	1.10
Blades (Pks. of 5)	1.00	.75	707	3.60	2.75	1413	1.40	1.10	2413	1.60	1.25
212	3.80	2.95	710	5.20	4.00	1414	1.60	1.25	2414	1.60	1.25
212A	3.45	2.65	712	6.60	5.05	1419	1.20	.90	2566	2.10	1.60
										1.90	1.45

Orders are accepted for shipment at prices prevailing at time shipment is made. All prices subject to change without notice.
Mechanics net prices include 10% Sales Tax.



The Finest That Money Can Buy

Numerical and Alphabetical Price List

Tool	List	Net	Tool	List	Net	Tool	List	Net	Tool	List	Net
2566A	1.90	1.45	3414	2.25	1.70	C38	2.65	2.05	F13	4.60	3.50
2586	1.60	1.25	3432	2.70	2.05	C45CB	7.85	6.00	F15	3.40	2.60
2590	17.40	12.65	3434	3.40	2.60	C45LR	9.45	7.20	F16	3.40	2.60
2590-1	4.00	3.05	4002	2.20	1.70	C46CB	18.00	13.10	F24	4.60	3.50
2590-2	4.00	3.05	4124	See	D412S	C46LR	20.40	14.85	F25	6.00	4.60
2591	7.00	5.40	4128	See	D414S	C47CB	38.10	27.70	F26	36.00	26.15
2599	2.40	1.85	4132	See	D432S	C47LR	42.90	31.20	F31	4.20	3.20
2612	2.40	1.85	4202	2.20	1.70	CA41	16.00	11.65	FB10	58.35	42.40
2618	2.60	2.00	4206	2.20	1.70	CC	78.00	56.70	FB14	75.95	55.20
2626	3.60	2.75	4211	5.80	4.45	CF2	4.40	3.35	FB19	107.25	78.00
2628	2.80	2.15	4213	7.20	5.50	CF3	Use	CF11	FT57	2.80	2.15
2629	2.80	2.15	4215	2.20	1.70	CF4	11.50	8.35	H10	1.80	1.40
2680	5.00	3.85	4266	9.40	7.20	CF11	16.60	12.05	H12	1.80	1.40
2723	1.80	1.40	4268	10.00	7.25	CF21 pr.	1.75	1.35	H14	2.00	1.55
2725B	2.40	1.85	4272	14.40	10.45	CF22 pr.	1.75	1.35	H16	2.00	1.55
2729RA	3.50	2.70	4284	11.40	8.30	CF23 pr.	1.75	1.35	H18	2.00	1.55
2804C	1.80	1.40	4285	26.40	19.20	CF26	4.50	3.45	H18S	2.20	1.70
2804L	1.80	1.40	4288	14.50	10.55	CF49	5.00	3.85	HC1	4.50	3.45
2805L	2.00	1.55	4289	2.00	1.55	CH06	1.40	1.10	HD11	51.60	37.50
2807	2.20	1.70	4295	15.20	11.05	CH08	1.40	1.10	HD13	70.80	51.45
2807A	2.20	1.70	4298	2.60	2.00	CH10	1.40	1.10	HD15	79.00	57.45
2808	2.40	1.85	4299	2.80	2.15	CH11	1.40	1.10	HD21	119.70	87.00
2809	2.80	2.15	4897	11.00	8.00	CH12	1.40	1.10	HD25	154.70	112.40
2809B	2.80	2.15	6481	1.60	1.25	CH14	1.60	1.25	HD28	2.40	1.85
2810	3.30	2.55	7940	4.80	3.65	CH16	1.60	1.25	HD30	2.40	1.85
2811	5.10	3.95	7943A	2.00	1.55	CL3	2.20	1.70	HD31	2.40	1.85
2811B	5.10	3.95	7944 with			CL5	3.00	2.30	HD32	2.60	2.00
2811E	5.10	3.95	7944B	4.80	3.65	CL7	4.00	3.05	HD34	2.80	2.15
2812	6.00	4.60	7944A	5.60	4.30	CL13	2.00	1.55	HD36	2.80	2.30
2812A	5.70	4.35	8385	4.85	3.70	CL15	2.00	1.55	HD38	3.00	2.30
2812B	6.00	4.60	8386	3.30	2.50	CP1	1.35	1.05	HD40	3.20	2.45
2812C	6.00	4.60	AT4	3.80	2.90	CP2	1.80	1.40	HD42	3.40	2.60
2812E	8.40	6.45	AT5	4.20	3.20	CP3	2.40	1.85	HD44	3.40	2.60
2813	8.40	6.45	B6	1.20	.90	CP4	3.60	2.75	HD46	3.80	2.90
2813A	8.40	6.45	B8	1.40	1.05	CS48	172.00	125.00	HD48	4.30	3.30
2815	19.80	14.40	B16	2.80	2.15	D17	24.60	17.90	HD50	4.70	3.60
2815A	25.20	18.30	B17	4.20	3.20	D406S	1.50	1.15	HD52	5.00	3.85
2815B	19.80	14.40	B18	4.90	3.75	D407S	1.50	1.15	HD54	5.00	4.30
2819	25.20	18.30	B21	4.60	3.50	D408S	1.50	1.15	HD56	6.00	4.60
2821	44.40	32.30	B22	4.20	3.20	D409S	1.55	1.20	HD58	6.30	4.80
2863	5.00	2.30	B23	6.20	4.00	D410S	1.55	1.20	HD60	6.60	5.05
2864	3.10	2.35	B28	4.80	3.65	D411S	1.60	1.25	HD64	7.20	5.50
2890	1.70	1.30	B30	4.80	3.65	D412S	2.05	1.55	HD70	10.20	7.40
2891	1.90	1.45	B33	5.00	3.85	D414S	2.05	1.55	(Pkgs. of 10)		
2892	2.10	1.60	BU40	10.00	7.25	D432S	2.70	2.05	HS1018	6.60	5.05
2892A	2.10	1.60	C2	1.00	.75	D06	16.10	11.75	HS1024	6.60	5.05
2893	2.30	1.80	C3	1.20	.90	E02	1.20	.90	HS1032	6.60	5.05
2893A	2.30	1.80	C4	1.45	1.10	E03	1.75	1.35	HS1218	8.00	6.10
2894	3.00	2.30	C5	2.00	1.55	Tubes	.50	.40	HS1224	8.00	6.10
2894A	3.00	2.30	C6	2.20	1.70	E14	1.20	.90	HS1232	8.00	6.10
2895	3.90	3.00	C7	2.65	2.05	E16	1.20	.90	HW6	2.00	1.55
2895A	3.90	3.00	C10	2.65	2.05	E18	1.20	.90	HW8	2.20	1.70
2896	6.60	5.05	C11	1.20	.90	E20	1.20	.90	HW10	2.40	1.85
2897	6.60	5.05	C12	1.35	1.05	E22	1.30	1.00	HY10	26.60	19.30
3112	2.00	1.55	C13	1.55	1.20	E24	1.30	1.03	K1	2.00	1.55
3114	2.00	1.55	C15	1.35	1.05	E26	1.30	1.03	K2	3.90	3.00
3116	2.20	1.70	C16	1.55	1.20	E28	1.30	1.00	K4	1.20	.90
3118	2.40	1.85	C18	1.35	1.05	E30	1.45	1.10	K6	1.20	.90
3120	2.60	2.00	C19	1.55	1.20	E40	1.60	1.25	K8	1.40	1.10
3122	2.80	2.15	C21	.90	.70	E42	1.60	1.25	K50	1.80	1.40
3124	3.00	2.30	C22	.95	.75	E44	1.70	1.30	K51	3.00	2.30
3126	3.20	2.45	C23	1.30	1.00	E46	2.10	1.60	K52	1.80	1.40
3128	3.40	2.60	C25	1.10	.85	F2	4.40	3.35	K53	3.20	2.45
3129	4.00	3.05	C26	1.35	1.05	F3	4.40	3.35	K54	1.40	1.10
3130	4.00	3.05	C28	1.00	.75	F4	4.60	3.45	K55	2.40	1.85
3132	4.60	3.50	C29	1.10	.85	F5	4.80	3.65	K56	.60	.45
3134	4.60	3.50	C30	1.35	1.05	F6	6.00	4.60	K57	1.80	1.40
3136	5.60	4.30	C32	1.00	.75	F7	4.40	3.35	K58	2.40	1.85
3140	7.20	5.50	C34	.90	.70	F10	5.40	4.15	K59	1.80	1.40
3413	2.10	1.60	C36	2.65	2.05	F12	6.00	4.60	L401A	4.40	3.35

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Tool	List	Net	Tool	List	Net	Tool	List	Net	Tool	List	Net
L402	4.40	3.35	N100	Use	NF100	RF54	3.60	*2.75	T35	8.40	6.45
L403	4.40	3.35	N150	Use	NF150	RF54A	3.60	2.75	T36	2.60	1.25
L404	4.40	3.35	NF25	31.00	22.55	RF55	4.20	3.20	T42	3.20	2.45
LD5	14.20	10.35	NF50	33.00	24.00	RF55A	4.20	3.20	T128	1.60	1.25
LD10	26.00	18.90	NF100	34.80	25.30	RF57	2.60	2.00	T140	1.60	1.25
LD16	2.00	1.55	NF150	45.90	33.35	RF59	4.00	3.05	T160	1.60	1.25
LD18	2.00	1.55	NF200	73.20	53.20	RF60	.60	.45	T180	1.60	1.25
LD20	2.40	1.85	NF300	91.80	66.70	RF61	.60	.45	T200	1.80	1.40
LD22	2.40	1.85	NH6	3.10	2.35	RF62	.60	.45	T220	1.80	1.40
LD24	2.40	1.85	NH9	3.40	2.60	RF63	.60	.45	T240	2.20	1.70
LD26	2.40	1.85	PC39	47.25	32.15	RF64	.60	.45	T260	2.20	1.70
LD28	2.40	1.85	PH4M	6.00	4.60	RF65	.60	.45	T280	2.20	1.70
LD30	2.40	1.85	PH5M	7.00	5.35	RF66	3.60	2.75	(Page of 10)		
LD32	2.80	2.15	PH15	3.20	2.45	RF67	2.20	1.70	TA1018	1.60	1.20
LD34	3.40	2.60	Tips	.80	.60	RF71	1.80	1.40	TA1024	1.60	1.20
LD36	2.80	2.15	PH18	2.40	1.85	RF72	1.80	1.40	TA1032	1.60	1.20
LH32	3.90	3.00	Tips	.60	.45	RF73	1.80	1.40	TA1218	2.00	1.55
LH34	4.30	3.30	PH19	5.40	4.15	RF80	32.80	23.85	TA1224	2.00	1.55
LH36	4.60	3.50	PH20	3.40	2.60	RF81	46.70	34.00	TA1232	2.00	1.55
LH40	5.80	4.45	Tips	.80	.60	RF85	144.80	105.25	TC2	1.70	1.30
L01	58.00	42.15	PH22	3.75	2.85	S4228	4.20	3.20	TG12	19.15	13.90
L03	88.00	63.95	PH23	3.40	2.60	S4232	4.80	3.65	TG15	37.55	27.30
L0130	10.40	7.55	PH24	4.60	3.50	S4234	5.00	3.85	TG20B	3.00	2.30
L0131	11.00	8.00	PH25	4.20	3.20	S4240	6.80	5.20	TG21	48.20	35.05
L0173	18.90	13.75	PH26	3.20	2.40	S4246	8.00	6.10	TH6	2.80	2.15
L0200	26.80	19.50	PH27	3.90	3.00	SB	21.40	15.55	TH8	2.90	2.25
L0201	2.40	1.85	PH30	3.60	2.75	SE1	1.80	1.40	TH10	1.30	1.00
L0201F doz.	2.40	1.85	PHB	.90	.70	SE2	1.80	1.40	TH12	1.30	1.00
L0202 doz.	6.40	4.90	PHC	1.00	.75	SE3	2.00	1.55	TH14	1.30	1.00
L0203	.70	.55	PHL	.90	.70	SE4	2.20	1.70	TH16	1.30	1.00
L0875	See	BU40	PHP	1.00	.75	SE5	2.80	2.15	TH18	1.30	1.00
L0899C	2.40	1.85	PHR	.90	.70	S01	1.20	.90	TH20	1.30	1.00
L0899F doz.	2.40	1.85	PT101	5.50	4.20	S02	.80	.60	TH22	1.40	1.10
L0920 doz.	6.40	4.90	R2	.90	.70	S04	1.80	1.40	TH24	1.40	1.10
L0925	32.00	23.25	R3	1.20	.90	S06	2.40	1.85	TR1	4.40	3.35
LT3	13.60	9.90	RB1	.80	.60	S08	3.30	2.50	TR2	4.40	3.35
LT12	1.20	.90	RB2	.80	.60	S012	4.00	3.05	TR4	1.50	1.15
LT14	1.20	.90	RB3	.80	.60	SP1	.80	.60	TR6	1.55	1.20
LT16	1.20	.90	RB121	.80	.60	SP2	.80	.60	TR8	1.70	1.30
LT18	1.20	.90	RB122	.80	.60	SW1	16.00	11.65	TR10	1.70	1.30
LT20	1.40	1.10	RB123	.80	.60	SW2	23.50	17.10	TS4	1.70	1.30
LT22	1.60	1.25	RC1	2.20	1.70	SW12T	18.30	13.30	TS7	1.70	1.30
LT24	1.80	1.40	RC2	4.20	3.25	SW14	27.40	19.90	TS8	1.30	1.00
LT26	2.00	1.55	RC3	4.80	3.65	SW15	41.20	29.85	TS9	1.80	1.40
LT28	2.00	1.55	RC4	11.40	8.30	SW15T	25.20	18.30	TS10	1.30	1.00
LT512	1.60	1.25	RE3	7.80	5.95	SW18	54.00	39.25	TS12	1.30	1.00
LT514	1.60	1.25	RE5	10.40	7.55	SW20	55.60	40.45	TS14	2.00	1.55
LT516	1.60	1.25	RF2	1.40	1.10	SW23	62.20	45.20	TS16	2.00	1.55
LT518	1.80	1.40	RF3	1.40	1.10	SW35	95.00	67.60	TS18	2.20	1.70
LT520	2.00	1.55	RF4	1.40	1.10	SW44	122.65	89.25	TS20	2.20	1.70
LW1	2.20	1.70	RF5	1.40	1.10	T1	1.70	1.30	TU7	20.00	14.55
LW2	2.75	2.10	RF6	1.80	1.40	T3	4.00	3.05	TU9	27.20	19.75
LW3	2.75	2.10	RF10	1.20	.90	T4	2.40	1.85	TU11	34.60	25.15
LW4	2.20	1.70	RF11	1.20	.90	T5	2.80	2.15	TU14	3.60	2.75
M5	2.60	2.00	RF12	1.20	.90	T9	3.40	2.60	TU16	3.60	2.75
M6T	2.60	2.00	RF13	1.60	1.25	T10	1.05	.80	TU18	3.80	2.95
M7T	2.80	2.15	RF14	1.60	1.25	T12	1.05	.80	TU20	3.80	2.95
M8	5.25	4.00	RF16	1.80	1.40	T14	1.05	.80	TWCB	12.15	8.85
M9	5.80	4.45	RF17	1.80	1.40	T16	1.05	.80	TW4	1.40	1.10
MB82	96.00	69.75	RF18	1.80	1.40	T18	1.05	.80	TW4 Bit	.20	.15
MB82CC	174.00	126.45	RF21	5.20	4.00	T19	1.05	.80	TW5	1.40	1.10
MS79-SB	207.15	150.50	RF22	4.80	3.65	T20	1.10	.85	TW5 Bit	.20	.15
MS102	329.05	239.00	RF23	5.20	4.00	T22	1.20	.90	TW6	1.40	1.10
MB82			RF25	5.20	4.00	T24	1.20	.90	TW6 Bit	.20	.15
MS102	407.05	295.80	RF40	1.20	.90	T26	1.70	1.30	TW7	1.40	1.10
MB82CC			RF41	1.20	.90	T27	1.60	1.25	TW7 Bit	.20	.15
MS102SB	254.45	185.00	RF45	6.40	4.90	T30	4.80	3.65	TW8	1.40	1.10
MSB	Use	MB82	RF46	8.80	6.75	T31	2.00	1.55	TW8 Bit	.20	.15
MSBC	Use	MB82CC	RF47	7.20	5.50	T32	.55	.40	TW10	1.60	1.25
N50	Use	NF50	RF49	1.20	.90	T34	2.60	2.00	TW10 Bit	.40	.30

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TW12	1.60	1.25	X84	31.60	23.00	Dreadnaught Adjustable Wrenches			Straight National Wrenches (Rigid Type)		
TW12 Bit	.40	.30	X88	35.60	25.90						
V6	.70	.55	X94	47.60	34.65	DAW6 6"	2.00	1.55	NSP6 6"	3.00	2.30
V7	.70	.55	X96	52.00	37.85	DAW8 8"	2.50	1.95	NSP8 8"	3.60	2.75
V8	.70	.55	X100	57.00	41.45	DAW10 10"	3.00	2.30	NSP10 10"	4.60	3.55
V9	.70	.55	XH	127.50	92.65	DAW12 12"	4.60	3.50	NSP14 14"	6.40	4.95
V10	.70	.55	Feeler Stock						NSP18 18"	9.00	6.95
V11	.70	.55							NSP24 24"	15.60	11.35
V12	.70	.55	All Sizes	.40	.30				NSP36 36"	32.80	23.85
V14	.70	.55	Reamers						NSP48 48"	48.40	35.20
V17	1.80	1.40									
V18	2.00	1.55	8A	6.20	4.75						
V19	1.80	1.40	7A	6.20	4.75						
V22	2.60	2.00	6A	6.20	4.75						
V25	6.00	4.60	5A	6.20	4.75						
V26	3.60	2.75	4A	6.20	4.75						
V27	.40	.30	3A	6.20	4.75						
VC7(1607)	3.20	2.45	2A	6.20	4.75						
VC10(1610)	3.80	2.95	A	6.20	4.75						
VS8	.70	.55	B	6.20	4.75						
YS10	.70	.55	C	6.60	5.05						
YS12	.70	.55	D	6.60	5.05						
YS13	12.90	9.40	E	7.00	5.40						
YS14	18.90	13.75	F	7.80	6.00						
YS24	33.75	24.50	G	8.20	6.25						
YS30	43.00	31.25	H	9.60	7.35						
W1	.15	.10	I	11.20	8.15						
W2	.15	.10	J	14.00	10.20						
W2 1/2	.15	.10	K	16.00	11.65						
W3	.15	.10	L	21.00	15.30						
W4	.15	.10	M	34.80	25.35						
W5	.20	.15	N	48.60	35.30						
W6	.20	.15	Pilots								
W7	.25	.20									
W8	.25	.20	8A	1.40	1.10						
W10	.40	.30	7A	1.40	1.10						
W11LR	3.00	2.30	6A	1.40	1.10						
W12	.50	.40	5A	1.40	1.10						
W16	.90	.70	4A	1.40	1.10						
W18	1.20	.90	3A	1.40	1.10						
W20	1.60	1.25	2A	1.40	1.10						
W24	2.20	1.70	A	1.40	1.10						
W3	1.00	.75									
W4	1.10	.85	8A	3.20	2.45						
W6	1.20	.90	7A	3.20	2.45						
W8	1.60	1.25	6A	3.20	2.45						
W10	1.80	1.40	5A	3.20	2.45						
WP	4.20	3.20	4A	3.40	2.60						
WP1	.80	.60	3A	4.00	3.05						
WP2	.90	.70	2A	4.00	3.05						
WP3	1.10	.85	A	4.40	3.35						
WP4	1.40	1.05									
X29	4.40	3.35	I	4.40	3.35						
X30	5.80	4.45	J	5.80	4.45						
X31	5.80	4.45	K	7.00	5.40						
X32	7.80	5.95	L	8.20	6.30						
X33	7.80	5.95	M	12.60	9.15						
X46	6.00	4.60	N	17.60	12.80						
X48	7.40	5.65	O	22.80	16.60						
X52	8.20	6.30	Gray-Alloy Adjustable Wrenches								
X58	10.60	7.70									
X60	12.00	8.75	91-4 4"	3.20	2.45						
X64	13.00	9.50	GA6 6"	2.60	2.00						
X70	16.80	12.25	GA8 8"	3.00	2.30						
X72	18.00	13.10	GA10 10"	3.90	2.95						
X74	20.30	14.80	GA12 12"	5.80	4.45						
X76	21.80	15.85	GA15 15"	8.60	6.60						
X78	24.00	17.45	GA18 18"	14.20	10.30						
X80	26.00	18.90									
X82	28.00	20.35									

BRITISH SIZE TOOLS

Tool	List	Net	Tool	List	Net
HDW14	76.60	54.70	W783	2.20	1.70
MW1	1.10	.85	W784	3.00	2.30
MW2	1.10	.85	W793	3.60	2.75
MW3	1.10	.85	W794	4.60	3.50
MW4	1.10	.85	W795	3.60	2.75
MW5	1.10	.85	W796	8.00	6.10
MW6	1.10	.85	W797	13.60	9.90
MW7	1.20	.90	WB6LR	12.85	9.35
MW8	1.20	.90	WB12	29.60	21.50
MW9	1.20	.90	WB16	52.20	38.00
MW10	1.20	.90	WB19	45.35	33.60
W4T	7.60	5.80	WB49	128.10	93.10
W70	1.80	1.40	WB95	13.90	10.10
W71	1.80	1.40	WB96	15.70	11.40
W72	2.00	1.55	WB190 (4)	3.60	2.75
W73	2.20	1.70	shown in catalogue as W190 but contains 4 pcs.		
W77	2.80	2.15	WB312	18.90	13.75
W79	5.10	3.95	WE01	1.60	1.25
W87(W187)	6.00	4.60	WE8	12.00	8.75
W89(W189)	8.80	6.75	WE10	1.60	1.25
W122	1.60	1.25	WE23	1.40	1.10
W122A	1.60	1.25	WE32	1.40	1.10
W124	1.80	1.40	WE45	1.40	1.10
W152	1.20	.90	WE54	1.40	1.10
W153	1.20	.90	WE67	1.20	.90
W154	1.20	.90	WE76	1.20	.90
W155	1.20	.90	WH160	2.40	1.85
W156	1.20	.90	WH161	2.40	1.85
W157	1.60	1.25	WH162	2.60	2.00
W158	1.60	1.25	WH163	3.60	2.75
W159	1.60	1.25	WH164	3.60	2.75
W160	1.80	1.40	WH165	4.00	3.05
W161	2.00	1.55	WH166	4.60	3.50
W162	2.40	1.85	WH167	5.00	3.85
W163	2.60	2.00	WH168	5.60	4.30
W164	2.80	2.15	WL154	2.40	1.85
W176	.70	.55	WL155	2.40	1.85
W176A	.80	.60	WL156	2.40	1.85
W177	.80	.60	WL157	2.40	1.85
W178	.90	.70	WL158	2.40	1.85
W179	1.20	.90	WL159	2.60	2.00
W774	1.45	1.10	WL160	2.80	2.15
W775	1.20	.90	WL161	3.00	2.30
W776	2.00	1.55	WL162	3.20	2.45
W777	1.20	.90			
W781	1.80	1.40			
W782	1.80	1.40			

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